

Access DB# _____

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: _____ Examiner #: _____ Date: _____
 Art Unit: _____ Phone Number 30 _____ Serial Number: _____
 Mail Box and Bldg/Room Location: _____ Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

STAFF USE ONLY**Type of Search****Vendors and cost where applicable**

Searcher: <u>P. Schreiber</u>	NA Sequence (#) <u>2</u>	STN _____
Searcher Phone #: <u>272-2526</u>	AA Sequence (#) <u>1</u>	Dialog _____
Searcher Location: <u>Rosen 601A6</u>	Structure (#) _____	Questel/Orbit _____
Date Searcher Put Up: _____	Bibliographic _____	Dr. Link _____
Date Completed: <u>8/30</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep / Review Time: <u>15</u>	Fulltext _____	Sequence Systems <u>CompuGen</u>
Original Prep. Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>8</u>	Other _____	Other (specify) _____

131176

Schreiber, David

From: Ramirez, Delia
Sent: Thursday, August 19, 2004 6:31 PM
To: Schreiber, David
Subject: 09/902705

Hi,

I would like to request the following interference search:

1. seq id 1, 2 in the nucleic acid databases
2. seq id 2 in the protein databases

Thank you,

Delia M. Ramirez, Ph.D.
Patent Examiner
Recombinant Enzymes-Art Unit 1652
USPTO
400 Dulany Street, Remsen Bldg., 2D74, Mail room 2C70
Alexandria, VA 22314
(571) 272-0938
delia.ramirez@uspto.gov

US-09-189-833B-1

Alignment Scores:

Pred. No.: 1.94e-140 Length: 1386
Score: 1116.00 Matches: 212
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-902-705-2 (1-212) x US-09-189-833B-1 (1-1386)

QY 1 MetAlaThrArgSerProGlyValValIleMetAspTTPProGlyTyrAspLeuAsn 20
DB 626 ATGGCGACCCGAGCCCTGGCGTGTGATTATGGATGATTGGCCAGGGTATGACTTGAAT 695
QY 21 LeuPheThrTyrProGlnHisTyrTyrGlyAspLeuGluTyrValLeuIleProHisGly 40
DB 686 TTATTACATACCCACAGCACTATTATGAGACTTGGAGATGTCCTCATCCCTCATGGT 745
QY 41 IleIleValAspArgIleGluArgLeuAlaLysAspIleMetLysAspIleGlyTyrSer 60
DB 746 ATCATTTGGACAGCAATTCAGCGGCTGGCCAGGATATTATGAAGACATAGGATATAGT 805
QY 61 AspIleMetValLeuCysValLeuLysGlyTyrLysPheCysAlaAspLeuValGlu 80
DB 806 GACATCATGCTCTGTGTGCTTAAAGGGGGGTACAAATTCCTGCTGATCTCGTAGAA 865
QY 81 HisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPheIle 100
DB 866 CACCTTAAAGACATCAGCCGAAATTCAGATCGTTGCTCAATGAAGTTGATTCATC 925
QY 101 ArgLeuLysSerTyrArgAsnAspGlnSerMetGlyGluMetGlnIleGlyGly 120
DB 926 AGACTAAAGATTACAGGAATGACCAGTCCATGGGTGAGATGCAGATAATCGAGGCGGT 985
QY 121 AspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThrGly 140
DB 986 GATCTTTCAACGCTGGCTGGAAGAAATTTCTCATTTGTGAGGATGTTGTCGAACTGGG 1045
QY 141 ArgThrMetLysAlaLeuLeuSerAsnIleGluLysTyrLysProAsnMetIleLysVal 150
DB 1046 AGGACCATGAAGCACTACTCAGCAATATAGAGAAATACAAAGCCCAACATGATTAGGTA 1105
QY 161 AlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyrAlaGly 180
DB 1106 GCCAGTTTCTTGGTGAAGAGAACATCCAGAAAGTGACGCTTTAGACCTGACTATGCTGA 1165
QY 181 PheGluIleProHisLeuPheValValGlyTyrAlaLeuAspTyrAsnGluTyrPheArg 200
DB 1166 TTGAGATTCCACACTTATTGCTGGGATATGCTTAGATTACATGATGATCTTACAG 1225

RESULT 2

US-09-902-705-1

; Sequence 1, Application US/09902705

; Patent No. US20020081695A1

; GENERAL INFORMATION:

; APPLICANT: Bednarik et al.

; TITLE OF INVENTION: Human Hypoxanthine- (Guanine) Phosphoribosyl Transferase-2

; FILE REFERENCE: PF138P1C1

; CURRENT APPLICATION NUMBER: US/09/902,705

; PRIORITY FILING DATE: 2001-07-12

; PRIOR APPLICATION NUMBER: US 08/461,031

; PRIOR FILING DATE: 1995-06-05

; PRIOR APPLICATION NUMBER: PCT/US94/11914

; PRIOR FILING DATE: 1994-10-19

; NUMBER OF SEQ ID NOS: 11

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 1

; LENGTH: 1386

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: [626]..(1264)

; OTHER INFORMATION:

US-09-902-705-1

Alignment Scores:

Pred. No.: 1.94e-140 Length: 1386
Score: 1116.00 Matches: 212
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-902-705-2 (1-212) x US-09-902-705-1 (1-1386)

QY 1 MetAlaThrArgSerProGlyValValIleMetAspTTPProGlyTyrAspLeuAsn 20
DB 626 ATGGCGACCCGAGCCCTGGCGTGTGATTATGGATGATTGGCCAGGGTATGACTTGAAT 685
QY 21 LeuPheThrTyrProGlnHisTyrTyrGlyAspLeuGluTyrValLeuIleProHisGly 40
DB 686 TTATTACATACCCACAGCACTATTATGAGACTTGGAGATGTCCTCATCCCTCATGGT 745
QY 41 IleIleValAspArgIleGluArgLeuAlaLysAspIleMetLysAspIleGlyTyrSer 60
DB 746 ATCATTTGGACAGCAATTCAGCGGCTGGCCAGGATATTATGAAGACATAGGATATAGT 805
QY 61 AspIleMetValLeuCysValLeuLysGlyTyrLysPheCysAlaAspLeuValGlu 80
DB 806 GACATCATGCTCTGTGTGCTTAAAGGGGGGTACAAATTCCTGCTGATCTCGTAGAA 865
QY 81 HisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPheIle 100
DB 866 CACCTTAAAGACATCAGCCGAAATTCAGATCGTTGCTCAATGAAGTTGATTCATC 925
QY 101 ArgLeuLysSerTyrArgAsnAspGlnSerMetGlyGluMetGlnIleGlyGly 120
DB 926 AGACTAAAGATTACAGGAATGACCAGTCCATGGGTGAGATGCAGATAATCGAGGCGGT 985
QY 121 AspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThrGly 140
DB 986 GATCTTTCAACGCTGGCTGGAAGAAATTTCTCATTTGTGAGGATGTTGTCGAACTGGG 1045
QY 141 ArgThrMetLysAlaLeuLeuSerAsnIleGluLysTyrLysProAsnMetIleLysVal 160
DB 1046 AGGACCATGAAGCACTACTCAGCAATATAGAGAAATACAAAGCCCAACATGATTAGGTA 1105
QY 161 AlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyrAlaGly 180
DB 1106 GCCAGTTTCTTGGTGAAGAGAACATCCAGAAAGTGACGCTTTAGACCTGACTATGCTGA 1165
QY 181 PheGluIleProHisLeuPheValValGlyTyrAlaLeuAspTyrAsnGluTyrPheArg 200
DB 1166 TTGAGATTCCACACTTATTGCTGGGATATGCTTAGATTACATGATGATCTTACAG 1225

RESULT 3

US-10-427-631-19

; Sequence 19, Application US/10427631

; Publication No. US20030175923A1

; GENERAL INFORMATION:

; APPLICANT: INCYTE CORPORATION; TANG, Y. Tom;

; APPLICANT: CORLEY, Neil C.; GUEGLER, Karl J.;

; APPLICANT: BAUGHN, Mariah R.; LAL, Preeti G.;

; APPLICANT: YUE, Henry; HILLMAN, Jennifer L.;

; APPLICANT: AZIMZAI, Yalda

! TITLE OF INVENTION: HUMAN TRANSFERASE PROTEINS
! FILE REFERENCE: PF-0592-1 DIV
! CURRENT APPLICATION NUMBER: US/10/427,631
! CURRENT FILING DATE: 2003-04-29
! PRIOR APPLICATION NUMBER: US 09/786,240
! PRIOR FILING DATE: 2002-03-12
! PRIOR APPLICATION NUMBER: PCT/US99/20989
! PRIOR FILING DATE: 1999-09-09
! PRIOR APPLICATION NUMBER: US 60/172,220
! PRIOR FILING DATE: 1998-09-10
! PRIOR APPLICATION NUMBER: US 60/155,248
! PRIOR FILING DATE: 1998-11-04
! PRIOR APPLICATION NUMBER: US 60/133,642
! PRIOR FILING DATE: 1999-05-11
! NUMBER OF SEQ ID NOS: 33
! SOFTWARE: PERL Program
! SEQ ID NO 19
! LENGTH: 1927
! TYPE: DNA
! ORGANISM: Homo sapiens
! FEATURE:
! NAME/KEY: misc feature
! OTHER INFORMATION: Incyte ID No. US20030175923A1 1404963CBI
US-10-427-631-19

Alignment Scores:
Pred. No.: 7,53e-134 Length: 1927
Score: 1069.00 Matches: 203
Percent Similarity: 99.51% Conservative: 2
Best Local Similarity: 98.54% Mismatches: 1
Query Match: 95.79% Indels: 0
DB: 15 Gaps: 0

US-09-902-705-2 (1-212) x US-10-427-631-19 (1-1927)

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Qy 7 GlyValValIleMetAspTrpProGlyTyrAspLeuAsnLeuPheThrTyrProGln 26
Db 58 GCGTCGTGATTATGATGATGGCCAGGATGATGCTTGAATTTATTCACGTACCACAG 117
Qy 27 HistyTyrGlyAspLeuGluTyrValLeuIleProHisGlyIleValAspArgile 46
Db 118 CACTATTATGAGACTTGGAGTATGCTCATCCCTCATCGGTATCATTTGGACAGANT 177
Qy 47 GluArgLeuAlaLysAspIleMetLysAspIleGlyTyrSerAspIleMetValLeuCys 66
Db 178 GAGCGGTGCGCAAGGATATTATGAAGACATAGGATATAGTGACATCATGCTCTGTGT 237
Qy 67 ValLeuLysGlyTyrLysPheCysAlaAspLeuValGluHisLeuLysAsnIleSer 86
Db 238 GTGCTTAAAGGAGGTTACAAATTCGTGCTGATCTCGTAGAACACCTTAAGAACATCAGC 297
Qy 87 ArgAsnSerAspArgPheValSerMetLysValAspPheIleArgLeuLysSerTyrArg 106
Db 298 CGAAATTCAGATCGATTGTCTCAATGAAGGTTGATTTTCATCAGACTAAAGATTACAGG 357
Qy 107 AsnAspGlnSerMetGlyGluMetGlnIleIleGlyGlyCysAspLeuSerThrLeuAla 126
Db 358 AATGACCAAGTCCATGGTGGATGTCAGATAATCGAGGCGGTGATCTTTCAACGCTGGCT 417
Qy 127 GlyLysAsnPheLeuIleValGluAspValValGlyThrGlyArgThrMetLysAlaLeu 146
Db 418 GGAAGAAGTGTCTCATTTGGAGATGTTGTGGAACTGGGAGGACCAATGAAGCACTA 477
Qy 147 LeuSerAsnIleGluLysTyrLysProAsnMetIleLysValAlaSerLeuLeuValLys 166
Db 478 CTCAGCAATATAGAGAAATACAGGCCCAACATGATTAAAGTAGCCAGTTTGTGGTGAAG 537
Qy 167 ArgThrSerArgSerAspGlyPheArgProAspTyrAlaGlyPheGluIleProHisLeu 186
Db 538 AGAACATCCGAAGTGCAGCGCTTAGACCTTAGACTGCTGGATTGAGATTCCAAACTTA 597
Qy 187 PheValValGlyTyrAlaLeuAspTyrAsnGluTyrPheArgAspLeuAsnHisIleCys 206
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Db 598 TTTGTGGTGGGATATGCTTGTAGATTACATGAATACTTCAGAGATCTGATCACATATGC 657
Qy 207 ValIleAsnGluHisGly 212
Db 658 GTCATCATGAGCACGGT 675
RESULT 4
US-10-264-049-424
! Sequence 424, Application US/10264049
! Publication No. US20040005579A1
! GENERAL INFORMATION:
! APPLICANT: Birse et al.
! TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
! FILE REFERENCE: PA133P1
! CURRENT APPLICATION NUMBER: US/10/264,049
! CURRENT FILING DATE: 2002-10-04
! PRIOR APPLICATION NUMBER: PCT/US01/18569
! PRIOR FILING DATE: 2001-06-07
! PRIOR APPLICATION NUMBER: US 60/209,467
! PRIOR FILING DATE: 2000-06-07
! NUMBER OF SEQ ID NOS: 4360
! SOFTWARE: PatentIn Ver. 3.1
! SEQ ID NO 424
! TYPE: DNA
! LENGTH: 1965
! ORGANISM: Homo sapiens
US-10-264-049-424
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Alignment Scores:
Pred. No.: 2,7e-133 Length: 1965
Score: 1065.00 Matches: 203
Percent Similarity: 99.03% Conservative: 1
Best Local Similarity: 98.54% Mismatches: 2
Query Match: 95.43% Indels: 0
DB: 16 Gaps: 0

US-09-902-705-2 (1-212) x US-10-264-049-424 (1-1965)

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Qy 7 GlyValValIleMetAspTrpProGlyTyrAspLeuAsnLeuPheThrTyrProGln 26
Db 57 GCGTCGTGATTATGATGATGGCCAGGATGATGCTTGAATTTATTCACGTACCACAG 116
Qy 27 HistyTyrGlyAspLeuGluTyrValLeuIleProHisGlyIleValAspArgile 46
Db 117 CACTATTATGAGACTTGGAGTATGCTCATCCCTCATCGGTATCATTTGGACAGANT 176
Qy 47 GluArgLeuAlaLysAspIleMetLysAspIleGlyTyrSerAspIleMetValLeuCys 66
Db 177 GAGCGGTGCGCAAGGATATTATGAAGACATAGGATATAGTGACATCATGCTCTGTGT 236
Qy 67 ValLeuLysGlyTyrLysPheCysAlaAspLeuValGluHisLeuLysAsnIleSer 86
Db 237 GTGCTTAAAGGAGGTTACAAATTCGTGCTGATCTCGTAGAACACCTTAAGAACATCAGC 296
Qy 87 ArgAsnSerAspArgPheValSerMetLysValAspPheIleArgLeuLysSerTyrArg 106
Db 297 CGAAATTCAGATCGATTGTCTCAATGAAGGTTGATTTTCATCAGACTAAAGATTACAGG 356
Qy 107 AsnAspGlnSerMetGlyGluMetGlnIleIleGlyGlyCysAspLeuSerThrLeuAla 126
Db 357 AATGACCAAGTCCATGGTGGATGTCAGATAATCGAGGCGGTGATCTTTCAACGCTGGCT 416
Qy 127 GlyLysAsnPheLeuIleValGluAspValValGlyThrGlyArgThrMetLysAlaLeu 146
Db 417 GGAAGAAGTGTCTCATTTGGAGATGTTGTGGAACTGGGAGGACCAATGAAGCACTA 476
Qy 147 LeuSerAsnIleGluLysTyrLysProAsnMetIleLysValAlaSerLeuLeuValLys 166
Db 477 CTCAGCAATATAGAGAAATACAGGCCCAACATGATTAAAGTAGCCAGTTTGTGGTGAAG 536
Qy 167 ArgThrSerArgSerAspGlyPheArgProAspTyrAlaGlyPheGluIleProHisLeu 186
Db 537 AGAACATCCGAAGTGCAGCGCTTAGACCTTAGACTGCTGGATTGAGATTCCAAACTTA 596
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QY 187 PheValValGlyTyrAlaLeuAspTyrAsnGluTyrPheArgAspLeuAsnHisIleCys 206
 Db 597 TTTGGTGGGATATGCTTAGATTACAATGAATACCTTCAGAGATCTGAATCACAATATGC 656
 QY 207 ValIleAsnGluHisGly 212
 Db 657 GTCATCAATGAGCACGGT 674

RESULT 5

US-09-822-830A-13/c
 ; Sequence 13, Application US/09822830A
 ; Patent No. US20020142952A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Genetics Institute, Inc.
 ; APPLICANT: Wong, Gordon G.
 ; APPLICANT: Clark, Hilary
 ; APPLICANT: Fechtel, Kim
 ; APPLICANT: Agostino, Michael J.
 ; APPLICANT: Howes, Steven H.
 ; APPLICANT: Resnick, Richard J.
 ; APPLICANT: Gulukota, Kamalakara
 ; APPLICANT: Graham, James R.
 ; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
 ; FILE REFERENCE: GIN 6402
 ; CURRENT APPLICATION NUMBER: US/09/822,830A
 ; CURRENT FILING DATE: 2001-03-29
 ; PRIOR APPLICATION NUMBER: 60/195,604
 ; PRIOR FILING DATE: 2000-04-06
 ; NUMBER OF SEQ ID NOS: 631
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 13
 ; LENGTH: 806
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; LOCATION: 735..739
 ; OTHER INFORMATION: n=a,c,g, or t
 US-09-822-830A-13

Alignment Scores:
 Pred. No.: 9,85e-132 Length: 806
 Score: 1049.00 Matches: 201
 Percent Similarity: 98.06% Conservative: 1
 Best Local Similarity: 97.57% Mismatches: 4
 Query Match: 94.00% Indels: 0
 DB: 9 Gaps: 0

US-09-902-705-2 (1-212) x US-09-822-830A-13 (1-806)

QY 7 GlyValValIleMetAspAspTyrProGlyTyrAspLeuAsnLeuPheThrTyrProGln 26
 Db 759 GCGCTCGCATATGCATGANTGNCAGGGTATGACTTGAAATTTATTCAGTACCACAG 700
 QY 27 HisTyrTyrGlyAspLeuGluTyrValLeuIleProHisGlyIleIleValAspArgIle 46
 Db 699 CACTATTATGAGACTTGGAGTATGCTCATCCCTCATGCTATCATTTGGGACAGAAAT 640
 QY 47 GluArgLeuAlaLysAspIleMetLysAspIleGlyTyrSerAspIleMetValLeuCys 56
 Db 639 GAGCGCTGGCCAGGATATTTAGAAAGACATAGGATAGTACATCATGCTCCGTGT 580
 QY 67 ValLeuLysGlyTyrLysPheCysAlaAspLeuValGluHisLeuLysAsnIleSer 86
 Db 579 GTGCTTAAAGGAGGTTCAAATTCGTGCTGATCTCGTAGAACACCTTAAAGACATCAGC 520
 QY 87 ArgAsnSerAspArgPheValSerMetLysValAspPheIleArgLeuLysSerTyrArg 106
 Db 519 CGAAATTCAGATTCATTTGCTCAATGAAGTTGATTTTCATCAGACTAAAGATTACAGG 460
 QY 107 AsnAspGlnSerMetGlyGluMetGlnIleIleGlyValAspLeuSerThrLeuAla 126

Db 459 AATGACCAGTCCATGGGTGAGATGCAGATAATCGAGGGCGATGATCTTTCAACGCTGGCT 400
 QY 127 GlyLysAsnPheLeuIleValGluAspValValGlyThrGlyArgThrMetLysAlaLeu 146
 Db 399 GGAAGAAGATGTTCTCATTTGTTGAGATGTTTGTGCGAACTGGGAGGACCATGAAGCACTA 340
 QY 147 LeuSerAsnIleGluLysTyrLysProAsnMetIleLysValAlaSerLeuLeuValLys 166
 Db 339 CTCAGCAATATAGAGAAATACAAAGCCCAACATGATTAAAGTACCCAGTTTGTGTGAAG 280
 QY 167 ArgThrSerArgSerAspGlyPheArgProAspTyrAlaGlyPheGluIleProHisLeu 186
 Db 279 AGAACATCCAGAAAGTACGGCTTTAGACCTGACTATGCTGGATTTGAGATTCCAAACTTA 220
 QY 187 PheValValGlyTyrAlaLeuAspTyrAsnGluTyrPheArgAspLeuAsnHisIleCys 206
 Db 219 TTTGCTGGGATATGCTTAGATTACAATGAATACCTTCAGAGATCTGAATCACAATGC 160
 QY 207 ValIleAsnGluHisGly 212
 Db 159 GTCATCAATGAGCACGGT 142

RESULT 6

US-10-308-279-2
 ; Sequence 2, Application US/10308279
 ; Publication No. US20030170742A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bristol-Myers Squibb Company
 ; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES ASSOCIATED WITH THE DEVELOPMENT
 ; FILE REFERENCE: D0190 NP
 ; CURRENT APPLICATION NUMBER: US/10/308,279
 ; CURRENT FILING DATE: 2002-12-03
 ; PRIOR APPLICATION NUMBER: 60/337,429
 ; PRIOR FILING DATE: 2001-12-03
 ; NUMBER OF SEQ ID NOS: 91
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 2
 ; LENGTH: 1316
 ; TYPE: DNA
 ; ORGANISM: homo sapiens
 US-10-308-279-2

Alignment Scores:
 Pred. No.: 7,92e-95 Length: 1316
 Score: 779.00 Matches: 145
 Percent Similarity: 83.02% Conservative: 31
 Best Local Similarity: 68.40% Mismatches: 36
 Query Match: 69.80% Indels: 0
 DB: 15 Gaps: 0

US-09-902-705-2 (1-212) x US-10-308-279-2 (1-1316)

QY 1 MetAlaThrArgSerProGlyValValIleMetAspAspTyrProGlyTyrAspLeuAsn 20
 Db 49 ATGGCAGCCGCGACGCTGGCGTGTAGTAGTATGATGAACACAGGTATGACCTTGAT 108
 QY 21 LeuPheThrTyrProGlnHisTyrTyrGlyAspLeuGluTyrValLeuIleProHisGly 40
 Db 109 TTATTTGCATACCTAATCATTTATGCTGAGGATTTGGAAAGGCTGTTTATTCCTCATGGA 168
 QY 41 IleIleValAspArgIleGluArgLeuAlaLysAspIleMetLysAspIleGlyTyrSer 60
 Db 169 CTAATATTGACAGGACTGAACGCTCTTGCTCGAGATGTGATGAAGAGATGGAGGCCAT 228
 QY 61 AspIleMetValLeuCysValLeuLysGlyGlyTyrLysPheCysAlaAspLeuValGlu 80
 Db 229 CACATTGTAGCCCTCTGTGTGCTCAAGGGGGCTATAAATCTTTGCTGACCTGCTGGAT 288
 QY 81 HisLeuLysAsnIleSerArgAsnSerArgPheValSerMetLysValAspPheIle 100
 Db 289 TACATCAAAGCACTGAATAGAAATAGTAGATAGATCCATTCTCTATGACTGTAGATTTATC 348

Db 86 ATGGGACCCGAGCCCTGGGCTGGTATTAGTAGTGAACACGAGTTATGACCTTGAT 145
Qy 21 LeuPheThrTyProGlnHisTyTyGlyAspLeuGluTyValLeuIleProHisGly 40
Db 146 TTATTTTGCATACCTAATCATATGCTGAGGATTTGGAAGGGTGTATTCTCTCAATGA 205
Qy 41 IleIleValAspArgIleGluArgLeuAlaTyAspIleMetLysAspIleGlyTySer 60
Db 206 CTAATTATGGACGAGCTGAACGCTTCTGCTGAGATGTGATGAAGGAGTGGAGGCCAT 265
Qy 61 AspIleMetValLeuCysValLeuIleGlyTyLysPheCysAlaAspLeuValGlu 80
Db 266 CACATTTGAGCCCTCTGTGCTCAAGGGGGCTATAAATCTTGTCTGACCTGGCTGGAT 325
Qy 81 HisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPheIle 100
Db 326 TACATCAAGCACTGAATAGAAATAGTAGATCCATTCCTATGACTGTAGATTTTATC 385
Qy 101 ArgLeuLysSerTyArgAsnAspGlnSerMetGlyGluMetGlnIleIleGlyGly 120
Db 386 AGACTGAAGAGCTATTGTAATGACCACTCAACAGGGGAGCATAAAGTAATTGGTGGAGAT 445
Qy 121 AspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThrGly 140
Db 446 GATCTCTCAACTTAACTGGAAGAATGCTCTTGTGTTGGAGATATTAATTGACACTGSC 505
Qy 141 ArgThrMetLysAlaLeuSerAsnIleGluLysTyLysProAsnMetIleLysVal 160
Db 506 AAAACAATGCAGACTTTGCTTCTGCTCAGGAGTATTAATCCAAAGATGGTCAAGGTC 565
Qy 161 AlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyAlaGly 180
Db 566 GCAGCTTCTGCTGGTGAAGAAGACCCACAGAGTGTGGATATGAAGCAGACTTTGTTGA 625
Qy 181 PheGluIleProHisLeuPheValValGlyTyAlaLeuAspTyArgGluTyPheArg 200
Db 626 TTTGAAATTCAGACAAAGTTTGTGTAGGATATGCCCTTGACTATAATGAATACTTCAGG 685
Qy 201 AspLeuAsnHisIleCysValIleAsnGluHisGly 212
Db 686 GATTGGAATCATGTTTGTGTCATTAGTGAAGAACTGGA 721

RESULT 9

US-10-641-643-1298
; Sequence 1298, Application US/10641643
; Publication No. US20040077003A1
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; Susan G. Stuart
; Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL
; GENE EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/641,643
; FILING DATE: 14-Aug-2003
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: <Unknown>
; FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0001 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 1298:
SEQUENCE CHARACTERISTICS:
LENGTH: 1331 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GENBANK
CLONE: G32449
SEQUENCE DESCRIPTION: SEQ ID NO: 1298 :
US-10-641-643-1298

Alignment Scores:
Pred. No.: 8,06e-95 Length: 1331
Score: 779.00 Matches: 145
Percent Similarity: 83.02% Conservative: 31
Best Local Similarity: 68.40% Mismatches: 36
Query Match: 69.80% Indels: 0
DB: 17 Gaps: 0

US-09-902-705-2 (1-212) x US-10-641-643-1298 (1-1331)

Qy 1 MetAlaThrArgSerProGlyValValIleMetAspAspTrpProGlyTyAspLeuAsn 20
Db 86 ATGGCGACCCGAGCCCTGGGCTGGTATTAGTAGTGAACACGAGTTATGACCTTGAT 145
Qy 21 LeuPheThrTyProGlnHisTyTyGlyAspLeuGluTyValLeuIleProHisGly 40
Db 146 TTATTTTGCATACCTAATCATATGCTGAGGATTTGGAAGGGTGTATTCTCTCAATGA 205
Qy 41 IleIleValAspArgIleGluArgLeuAlaLysAspIleMetLysAspIleGlyTySer 60
Db 206 CTAATTATGGACGAGCTGAACGCTTCTGCTCAGATGTGATGAAGAGATGGAGGCCAT 265
Qy 61 AspIleMetValLeuCysValLeuLysGlyTyLysPheCysAlaAspLeuValGlu 80
Db 266 CACATTTGAGCCCTCTGTGCTCAAGGGGGCTATAAATCTTGTGCTGACCTGGCTGGAT 325
Qy 81 HisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPheIle 100
Db 326 TACATCAAGCACTGAATAGAAATAGTAGATCCATTCCTATGACTGTAGATTTTATC 385
Qy 101 ArgLeuLysSerTyArgAsnAspGlnSerMetGlyGluMetGlnIleIleGlyGly 120
Db 386 AGACTGAAGAGCTATTGTAATGACCACTCAACAGGGGAGCATAAAGTAATTGGTGCAGAT 445
Qy 121 AspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThrGly 140
Db 446 GATCTCTCAACTTAACTGGAAGAAGATGCTTGTATGGAGATATTAATTGACACTGGC 505
Qy 141 ArgThrMetLysAlaLeuSerAsnIleGluLysTyLysProAsnMetIleLysVal 160
Db 506 AAAACAATGCAGACTTTGCTTCTTCTTGGTCCAGCAGTATAATCCAAAGATGGTCAAGGTC 565
Qy 161 AlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyAlaGly 180
Db 566 GCAAGCTTCTGCTGGTGAAGAAGACCCACAGAGTGTGGATATGAAGCAGACTTTGTTGA 625
Qy 181 PheGluIleProHisLeuPheValValGlyTyAlaLeuAspTyArgGluTyPheArg 200
Db 626 TTTGAAATTCAGACAAAGTTTGTGTAGGATATGCCCTTGACTATAATGAATACTTCAGG 685
Qy 201 AspLeuAsnHisIleCysValIleAsnGluHisGly 212
Db 686 GATTGGAATCATGTTTGTGTCATTAGTGAAGAACTGGA 721

RESULT 10
 US-10-044-090-283
 ; Sequence 283, Application US/10044090
 ; Publication No. US20020137081A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Olga Bandman
 ; TITLE OF INVENTION: GENES DIFFERENTIALLY EXPRESSED IN VASCULAR TISSUE ACTIVATION
 ; FILE REFERENCE: PA-0028 US
 ; CURRENT APPLICATION NUMBER: US/10/044,090
 ; CURRENT FILING DATE: 2002-01-09
 ; NUMBER OF SEQ ID NOS: 850
 ; SOFTWARE: PERL Program
 ; SEQ ID NO 283
 ; LENGTH: 1365
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; OTHER INFORMATION: Incyte ID No. US20020137081A1 1291103CB1
 US-10-044-090-283

Alignment Scores:
 Pred. No.: 8,38e-95 Length: 1365
 Score: 779.00 Matches: 145
 Percent Similarity: 83.02% Conservative: 31
 Best Local Similarity: 68.40% Mismatches: 36
 Query Match: 69.80% Indels: 0
 DB: 14 Gaps: 0

US-09-902-705-2 (1-212) x US-10-044-090-283 (1-1365)

Qy	1	MetAlaThrArgSerProGlyValValIleMetAspAspTyrProGlyTyrAspLeuAsn	20
Db	109	ATGGCGACCCGCGCGTGGTATGATGATGAACACAGGTATGACCTGAT	168
Qy	21	LeuPheThrTyrProGlnHisTyrGlyAspLeuGluTyrValLeuIleProHisGly	40
Db	169	TTATTTCATACCTAATCATATGCTGAGGATTTGGAAGGGTATTATTCCTCATGGA	228
Qy	41	IleIleValAspArgIleGluArgLeuAlaLysAspIleMetLysAspIleGlyTyrSer	60
Db	229	CTAATTATGACAGGACTGAACGCTCTGCTCGAGATGATGAAGAGATGGAGGCCAT	288
Qy	61	AspIleMetValLeuCysValLeuLysGlyGlyTyrLysPheCysAlaAspLeuValGlu	80
Db	289	CACATTGTAGCCCTCTGTGTGCTCAAGGGGGCTATAAATCTTTGCTGACCTGCTGGAT	348
Qy	81	HisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPheIle	100
Db	349	TACATCAACCACTGAATAGAAATAGTAGATCCATTCCCTATGACTGTAGATTTATC	408
Qy	101	ArgLeuLysSerTyrArgAsnAspGlnSerMetGlyGluMetGlnIleIleGlyGly	120
Db	409	AGACTGAAGAGCTATTGTAATGACCACTCAACAGGGGACATATAAAGTAAATGGTGAGAT	468
Qy	121	AspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThrGly	140
Db	469	GATCTCTCAACTTTAAGTGAAGAAATGCTGTGATTTGGAAGATATTAATGACACTGGC	528
Qy	141	ArgThrMetLysAlaLeuSerAsnIleGluLysTyrLysProAsnMetIleLysVal	160
Db	529	AAAAAATGACAGCTTTGCTTTCTTTGCTCAGGAGTATAATCCAAAGATGCTCAAGGTC	588
Qy	161	AlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyrAlaGly	180
Db	589	GCAAGCTTGTGTGTAAGAGGACCCACCAAGAGTTGGATATAAGCCAGACTTTGTTGGA	648
Qy	181	PheGluIleProHisLeuPheValValGlyTyrAlaLeuAspTyrAsnGluTyrPheArg	200
Db	649	TTTGAAATCCAGACAAAGTTTGTGTGATATGCTTGTGATATGCTTGTGATATGCTTGTGAT	708
Qy	201	AspLeuAsnHisIleCysValIleAsnGluHisGly	212

Db 709 GATTGGAATCATGTTTGTGTCATTAGTGAACATGGA 744

RESULT 11
 US-09-925-664-13
 ; Sequence 13, Application US/09925664
 ; Patent No. US20020160006A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Denney, Jr., Dan W.
 ; TITLE OF INVENTION: Methods of Treating Lymphoma and Leukemia
 ; FILE REFERENCE: GENITOPE-06499
 ; CURRENT APPLICATION NUMBER: US/09/925,664
 ; CURRENT FILING DATE: 2001-08-09
 ; PRIOR APPLICATION NUMBER: 09/370,453
 ; PRIOR FILING DATE: 1999-08-09
 ; PRIOR APPLICATION NUMBER: 08/644,664
 ; PRIOR FILING DATE: 1996-05-01
 ; PRIOR APPLICATION NUMBER: 08/761,277
 ; PRIOR FILING DATE: 1996-12-06
 ; NUMBER OF SEQ ID NOS: 80
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 13
 ; LENGTH: 1289
 ; TYPE: DNA
 ; ORGANISM: Mus musculus
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (88)..(741)
 ; OTHER INFORMATION:
 US-09-925-664-13

Alignment Scores:
 Pred. No.: 6,8e-94 Length: 1289
 Score: 772.00 Matches: 144
 Percent Similarity: 83.02% Conservative: 32
 Best Local Similarity: 67.92% Mismatches: 36
 Query Match: 69.18% Indels: 0
 DB: 9 Gaps: 0

US-09-902-705-2 (1-212) x US-09-925-664-13 (1-1289)

Qy	1	MetAlaThrArgSerProGlyValValIleMetAspAspTyrProGlyTyrAspLeuAsn	20
Db	88	ATCCGACCCGCGAGTCCCGCTGATTTAGCGATGATGAACACAGGTATGACCTAGAT	147
Qy	21	LeuPheThrTyrProGlnHisTyrGlyAspLeuGluTyrValLeuIleProHisGly	40
Db	148	TTGTTTGTATACCTAATCATATCCGAGGATTTGGAAGAAAGTGTATTTCCTCATGGA	207
Qy	41	IleIleValAspArgIleGluArgLeuAlaLysAspIleMetLysAspIleGlyTyrSer	60
Db	208	CTGATTATGACAGGACTGAAGACTTCTCGAGATGTCATGAAGAGATGGAGGCCAT	267
Qy	61	AspIleMetValLeuCysValLeuLysGlyGlyTyrLysPheCysAlaAspLeuValGlu	80
Db	268	CACATTGTGGCCCTCTGTGTGCTCAAGGGGGCTATAAAGTCTTTGCTGACCTGCTGGAT	327
Qy	81	HisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPheIle	100
Db	328	TACATTAAAGCACTGAAATAGAAATAGTAGATCCATTCCCTATGACTGTAGATTTATC	387
Qy	101	ArgLeuLysSerTyrArgAsnAspGlnSerMetGlyGluMetGlnIleIleGlyGly	120
Db	388	AGACTGAAGAGCTACTGTAATGATCAGTCACCGGGGGACATAAAGTATTGGTGAGAT	447
Qy	121	AspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThrGly	140
Db	448	GATCTCTCAACTTTAAGTGAAGAAATGCTTTGATTTGTTGAGATATTAATGACACTGGT	507
Qy	141	ArgThrMetLysAlaLeuSerAsnIleGluLysTyrLysProAsnMetIleLysVal	160
Db	508	AAAAAATGCAACATTTGCTTTCTTCCTGTTAAGCAGTACAGCCCAAAATGTTAAGTT	567
Qy	161	AlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyrAlaGly	180

Alignment Scores:
Pred. No.:
Score:

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: August 28, 2004, 14:49:52 ; Search time 83 Seconds
(without alignments)

1417.465 Million cell updates/sec

Title: US-09-902-705-2

Perfect score: 1116

Sequence: 1 MATRSPGVVIMDDWFGYDNL.....LDYNEYFRDLNHCIVINEHG 212

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Ygapop 10.0, Ygapext 0.5
Fgapop 6.0, Fgapext 7.0
Delop 6.0, Delext 7.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

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6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1116	100.0	1386	US-09-189-833B-1	Sequence 1, Appli
2	1069	95.8	1927	US-09-786-240-19	Sequence 19, Appl
3	779	69.8	1311	US-09-023-655-1298	Sequence 1298, Ap
4	772	69.2	1289	US-08-544-664B-13	Sequence 13, Appl
5	772	69.2	1289	US-08-761-277A-13	Sequence 13, Appl
6	768.5	68.9	5247	US-09-479-122-20	Sequence 20, Appl
7	768.5	68.9	5247	US-09-484-997-20	Sequence 20, Appl
8	768.5	68.9	5247	US-09-481-355-20	Sequence 20, Appl
9	768.5	68.9	5247	US-09-481-282-20	Sequence 20, Appl
10	768.5	68.9	5247	US-09-455-659A-20	Sequence 20, Appl
11	768.5	68.9	5247	US-09-484-996-20	Sequence 20, Appl
12	768.5	68.9	5247	US-09-479-123-20	Sequence 20, Appl

13	768.5	68.9	5314	4	US-09-479-122-27	Sequence 27, Appl
14	768.5	68.9	5314	4	US-09-484-997-27	Sequence 27, Appl
15	768.5	68.9	5314	4	US-09-481-355-27	Sequence 27, Appl
16	768.5	68.9	5314	4	US-09-481-282-27	Sequence 27, Appl
17	768.5	68.9	5314	4	US-09-455-659A-27	Sequence 27, Appl
18	768.5	68.9	5314	4	US-09-484-996-27	Sequence 27, Appl
19	768.5	68.9	5314	4	US-09-479-123-27	Sequence 27, Appl
20	762	68.3	1761	4	US-09-023-655-223	Sequence 223, App
21	263.5	23.6	603	4	US-09-107-532A-992	Sequence 992, App
22	247.5	22.2	5919	3	US-08-987-123-4	Sequence 4, Appli
23	247.5	22.2	21338	4	US-08-961-527-20	Sequence 20, Appl
24	239.5	21.5	6115	4	US-08-956-171E-148	Sequence 148, App
25	238.5	21.4	546	4	US-09-134-001C-481	Sequence 481, App
26	227.5	20.4	4403765	3	US-09-103-840A-2	Sequence 2, Appli
27	227.5	20.4	4411529	3	US-09-103-840A-1	Sequence 1, Appli
28	210.5	18.9	4530	4	US-09-221-017B-913	Sequence 913, App
29	210	18.8	558	4	US-09-540-236-385	Sequence 385, App
30	210	18.8	39003	4	US-09-595-002-21	Sequence 21, Appl
31	202.5	18.1	555	4	US-09-488-039A-5319	Sequence 5319, Ap
32	194	17.4	546	4	US-09-543-681A-1796	Sequence 1796, Ap
33	193	17.3	130	2	US-08-631-751A-1	Sequence 1, Appli
34	190	17.0	537	4	US-09-328-352-839	Sequence 839, App
35	189	16.9	640681	4	US-09-790-988-1	Sequence 1, Appli
36	189	16.9	1830121	4	US-09-557-884-1	Sequence 1, Appli
37	189	16.9	1830121	4	US-09-643-990A-1	Sequence 14041, A
38	162.5	14.6	645	4	US-09-252-931A-14041	Sequence 1, Appli
39	139.5	12.5	580073	4	US-08-545-528D-1	Sequence 2679, Ap
40	125.5	11.2	549	4	US-09-134-000C-2679	Sequence 106, App
41	122.5	11.0	14654	4	US-08-961-527-106	Sequence 1376, Ap
42	119	10.7	540	4	US-09-107-532A-1376	Sequence 1, Appli
43	118.5	10.6	1830121	4	US-09-557-884-1	Sequence 1, Appli
44	118.5	10.6	1830121	4	US-09-643-990A-1	Sequence 3520, Ap
45	116	10.4	1956	4	US-09-489-039A-3520	

ALIGNMENTS

RESULT 1
US-09-189-833B-1
; Sequence 1, Application US/09189833B
; Patent No. 6653446
; GENERAL INFORMATION:
; APPLICANT: Bednarik et al.
; TITLE OF INVENTION: Human Hypoxanthine-(Guanine) Phosphoribosyl Transferase-2
; FILE REFERENCE: PFI38PDI1
; CURRENT APPLICATION NUMBER: US/09/189,833B
; CURRENT FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: US 08/461,031
; PRIOR FILING DATE: 1995-06-05
; PRIOR APPLICATION NUMBER: PCT/US94/11914
; PRIOR FILING DATE: 1994-10-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 1
; LENGTH: 1386
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (626)..(1264)
US-09-189-833B-1

Alignment Scores:
Pred. No.: 1,77e-145 Length: 1386
Score: 1116.00 Matches: 212
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-902-705-2 (1-212) x US-09-189-833B-1 (1-1386)

Qy 1 MetAlaThrArgSerProGlyValValIleMetAspAspTrpProGlyTyrAspLeuAsn 20

Db	626	ATGGCGACCCGAGCCCTGGCGTGGTATTTATGGATGATTGGCCAGGGTATGACTTTGAAT	685
Qy	21	LeuPheThrTyProGlnHisTyTyGlyAspLeuGluTyValLeuIleProHisGly	40
Db	686	TTATTACCGTACCCACAGCACTATTATGGAGACTTGGAGTATGCTCTCATCCCTCATGGT	745
Qy	41	IleIleValAspArgIleGluArgLeuAlaLysAspIleMetLysAspIleGlyTySer	60
Db	746	ATCATTTGGACAGAAATTTAGCGGCTGGCCAGAGATATTATGAAGACATAGGATATAGT	805
Qy	61	AspIleMetValLeuCysValLeuLysGlyGlyTyLysPheCysAlaAspLeuValGlu	80
Db	806	GACATCATGTCCTGTGTGCTTTAAAGGGGGGTACAAATTCGTGCTGATCTCGTAGAA	865
Qy	81	HisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPheIle	100
Db	866	CACCTTTAAGAACATCAGCCGAAATTTCAAGTCGGTTCCTCAATGAAGGTTGATTTCATC	925
Qy	101	ArgLeuLysSerTyArgAsnAspGlnSerMetGlyGluMetGlnIleIleGlyGlyGly	120
Db	926	AGACTAAAGAATTACAGGAATGACCAGTCCATGGGTGAGTGCAGATTAATCGAGGGCGGT	985
Qy	121	AspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThrGly	140
Db	986	GATCTTTCAAGCGCTGGCTGGAAAGAAATTTCTCATTTGTGGAGATGTTGTCGGAACCTGGG	1045
Qy	141	ArgThrMetLysAlaLeuLeuSerAsnIleGluLysTyLysProAsnMetIleLysVal	160
Db	1046	AGGACCATGAAGCACACTCTACGCATATAGAGAAATACAGCCACATGATTAGGTA	1105
Qy	161	AlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyAlaGly	180
Db	1106	GCCAGTTTGTGGTGAAGAGAACATCCAGAAAGTACGGCTTTTAGACCTGACTATGCTGGA	1165
Qy	181	PheGluIleProHisLeuPheValValGlyTyAlaLeuAspTyAsnGluTyPheArg	200
Db	1166	TTTGAGATTCCACACTTATTGTGGTGGGATATGCCTTAGATTACAATGAATACTTCAGA	1225
Qy	201	AspLeuAsnHisIleCysValIleAsnGluHisGly	212
Db	1226	GATCTGATCATCATATGCTGTCATCATGATGACACGGG	1261

RESULT 2

US-09-786-240-19
; Sequence 19, Application US/09786240

; Sequence ID: 17
 ; Patent No. 6558935
 ; GENERAL INFORMATION:
 ; APPLICANT: INCYTE PHARMACEUTICALS, INC.

APPLICANT: TANG, Y. Tom
APPLICANT: CORLEY, Neil C.

; AFFILIANT: CONEEL, NEIL
 ; APPLICANT: GUEGLER, KATHLEEN
 ; APPLICANT: BAUGHN, MARILYN

APPLICANT: LAL, Preeti
APPLICANT: YUE, Henry

APPLICANT: HILLMAN, Jennifer L.
APPLICANT: AZIMZAI, Yalda

; TITLE OF INVENTION: HUMAN TRANSFERASE PROTEINS
; FILE REFERENCE: PF-0592 PCT

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; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PERL Program

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Alignment Scores:	
Pred. No.:	1,066-138
Score:	1069.00
Percent Similarity:	99.51%
Best Local Similarity:	98.54%
Query Match:	95.73%
DB:	4
Length:	1927
Matches:	203
Conservative:	1
Mismatches:	1
Indels:	0
Gaps:	0

US-09-902-705-2 (1-212) X US-09-786-240-19 (1-1927)

Qy	7	GlyValValIleMetAspAspTrrProGlyTyrAspLeuAsnLeuPheThrTyrProGln	26
Db	58	GGCGTGGTGAATATGGAATATGGCCAGGSGATGACTGAATTTATTCAGTACCCACAG	117
Qy	27	HisTyrTyrGlyAspLeuGluTyrValLeuIleProHisGlyIleIleValAspArgIle	46
Db	118	CACATATTATGGAGACTTCGGAGTATGCTCCTCATCCCTCATGSTATCATTTGTGGACAGAAT	177
Qy	47	GluArgLeuAlaLysAspIleMetIysAspIleGlyTyrSerAspIleMetValLeuCys	66
Db	178	GAGCGCGTGGCCAAAGATATTATGAAGACATAGATATTATGACATCATGGTCCCTGTGT	237
Qy	67	ValLeuLysGlyGlyTyrLysPheCysAlaAspLeuValGluHisLeuLysAsnIleSer	86
Db	238	GTGCTTAAAGAGAGGTTACAAATTCCTGTGCTGATCTCGTAGAACACCTTAAAGAACATCAGC	297
Qy	87	ArgAsnSerAspAcqPheValSerMetLysValAspPheIleArgLeuLysSerTyrArg	106
Db	298	CGAAATTCAGATCGATTTGTCTCAATGAGGTTGATTTCACTAGACTAAAGTTACAGC	357
Qy	107	AsnAspGlnSerMetGlyGluMetGlnIleIleGlyGlyGlyAspLeuSerThrLeuAla	126
Db	358	AAATGACCATGTCATGGGTGAGATGCAGATAATCGGAGCGGTGATCTTTCAACGCTGGCT	417
Qy	127	GlyLysAsnPheLeuIleValGluAspValValGlyThrGlyArgThrMetLysAlaLeu	146
Db	418	GGAAAGATGTCATTTGTTGAGATGTTGTCCGAACTCGGAGGACCATGAAGACACTA	477
Qy	147	LeuSerAsnIleGluLysTyrLysProAsnMetIleLysValIleAserLeuLeuValLys	166
Db	478	CTCAGCAATATAGAGAAATACAGCCCAACATGATTAAAGTAGCCAGTTGTGGTGAAG	537
Qy	167	ArgThrSerArgSerAspGlyPheArgProAspTyrAlaGlyPheGluIleProHisLeu	186
Db	538	AGACATCCAGAAGTGACGGCTTTAGACCTGACTATGCTGGAATTGAGATTCCAAACTTA	597
Qy	187	PheValValGlyTyrAlaLeuAspTyrAsnGluTyrPheArgAspLeuAsnHisLeuCys	206
Db	598	TTTGTGGTGGGATATGCGCTTAGATTACAATGAATACTTCAGAGATCTGAATCATCATGC	657
Qy	207	ValIleAsnGluHisGly	212
Db	658	GTCAATCAATGAGCAGGT	675

RESULT 3

US-09-023-655-1298
; Sequence 1298, Application US/09023655

; Patent No. 6607879
; GENERAL INFORMATION:

APPLICANT: Cocks, Benjamin G.
APPLICANT: Susan G. Stuart

APPLICANT: Jeffrey J. Seilhamer
TITLE OF INVENTION: COMPOSITION

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. ; TITLE OF INVENTION: EX
; ; NUMBER OF SEQUENCES: 1
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; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

QY 41 IleIleValAspArgIleGluArgLeuAlaLysAspIleMetLysAspIleGlyTyrSer 60
Db 208 CTGATTATGGACGACTGAAAGACTTCTCGATGTCTATGATGAGGAGATGGAGGCCAT 267
QY 61 AspIleMetValLeuCysValLeuLysGlyTyrLysPheCysAlaAspLeuValGlu 80
Db 268 CACAATTGTGGCCCTCTGTGTCTCAAGGGGGCTATAAGTTCTTTGCTGACCTGCTGGAT 327
QY 81 HisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPheIle 100
Db 328 TACATTAAAGCACTGAAATAGATAGATAGATCCATTCTCTATGACTGTAGATTTATC 387
QY 101 ArgLeuLysSerTyrArgAsnAspGlnSerMetGlyGluMetGlnIleIleGlyGly 120
Db 388 AGACTGAAGAGACTAGTAATGATCAGTCAACGGGGGACATAAAGTTATTGGTGAGAT 447
QY 121 AspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThrGly 140
Db 448 GATCTCTCAACTTTAACTGGAAGAATGTCTGTGATTGTTGAAGATATAATTGACACTGGT 507
QY 141 ArgThrMetLeuAlaLeuLeuSerAsnIleGluLysTyrLysProAsnMetIleLysVal 160
Db 508 AAAACAATGCAAACTTCTCTCCGTGTTAAGCAGTACAGCCCAAAATGGTTAAGTT 567
QY 161 AlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyrAlaGly 180
Db 568 GCAAGCTTGCTGGTGAAGAGACCTCTCGAAGTGTGATATGCCCTTGACTATAATGACTTCAGG 687
QY 201 AspLeuAsnHisIleCysValIleAsnGluHisGly 212
Db 688 AATTGATACAGTTTGTGTCTATTAGTGAAGAACTGGA 723

RESULT 5

US-08-761-277A-13
; Sequence 13, Application US/08761277A
; Patent No. 5972334
; GENERAL INFORMATION:
; APPLICANT: Denney Jr., Dan W.
; TITLE OF INVENTION: Vaccines For Treatment Of Lymphoma And
; TITLE OF INVENTION: Leukemia
; NUMBER OF SEQUENCES: 80
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/08/761.277A
; APPLICATION NUMBER: US/08/761.277A
; FILING DATE: 06-DEC-1996
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/644,664
; FILING DATE: 01-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Macknight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: GENITOPF-02406
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:

; LENGTH: 1289 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 88...741
US-08-761-277A-13
Alignment Scores:
Pred. No.: 1,42e-97 Length: 1289
Score: 772.00 Matches: 144
Percent Similarity: 83.02% Conservative: 32
Best Local Similarity: 67.92% Mismatches: 36
Query Match: 69.18% Indels: 0
DB: 2 Gaps: 0

US-09-902-705-2 (1-212) x US-08-761-277A-13 (1-1289)

QY 1 MetAlaThrArgSerProGlyValValIleMetAspAspTyrProGlyTyrAspLeuAsn 20
Db 88 ATGCCGACCCGAGTCCACGCTGCTGATGAGGATGATGAACGAGTTATGACCTAGAT 147
QY 21 LeuPheThrTyrProGlnHisTyrTyrGlyAspLeuGluTyrValLeuIleProHisGly 40
Db 148 TTGTTTGTATACCTAATCATTAATGCGGAGGATTGGAAAAAGTGTATTCTCTCATGGA 207
QY 41 IleIleValAspArgIleGluArgLeuAlaLysAspIleMetLysAspIleGlyTyrSer 60
Db 208 CTGATTATGACAGGACTGAAAGACTTCTCGAGATGTCTGAGAGATGTCATGAAGGAGATGGAGGCCAT 267
QY 61 AspIleMetValLeuCysValLeuLysGlyGlyTyrLysPheCysAlaAspLeuValGlu 80
Db 268 CACATTGTGGCCCTCTGTGTCTCAAGGGGGCTATAAGTTCTTTGCTGACCTGCTGGAT 327
QY 81 HisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPheIle 100
Db 328 TACATTAAAGCACTGAAATAGATAGATAGATCCATTCTCTATGACTGTAGATTTATC 387
QY 101 ArgLeuLysSerTyrArgAsnAspGlnSerMetGlyGluMetGlnIleIleGlyGly 120
Db 388 AGACTGAAGAGCTACTGTAATGATCAGTCAACGGGGGACATAAAGTTATTGGTGAGAT 447
QY 121 AspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThrGly 140
Db 448 GATCTCTCAACTTTAACTGGAAGAATGTCTGTGATTGTTGAAGATATAATTGACACTGGT 507
QY 141 ArgThrMetLysAlaLeuLeuSerAsnIleGluLysTyrLysProAsnMetIleLysVal 160
Db 508 AAAACAATGCAAACTTGTCTCCCTGGTTAAGCAGTACAGCCCAAAATGGTTAAGTT 567
QY 161 AlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyrAlaGly 180
Db 568 GCAAGCTTGCTGGTGAAGAGACCTCTCGAAGTGTGATATGCCCTTGACTATAATGACTTCAGG 687
QY 181 PheGluIleProHisLeuPheValValGlyTyrAlaLeuAspTyrAsnGluTyrPheArg 200
Db 628 TTTGAAATTCAGACAAAGTTTGTGTGATATGCCCTTGACTATAATGACTTCAGG 687
QY 201 AspLeuAsnHisIleCysValIleAsnGluHisGly 212
Db 688 AATTGATACAGTTTGTGTCTATTAGTGAAGAACTGGA 723

RESULT 6

US-09-479-122-20
; Sequence 22, Application US/09479122
; Patent No. 6410266
; GENERAL INFORMATION:
; APPLICANT: HARRINGTON, JOHN J.
; APPLICANT: SHERF, BRUCE
; APPLICANT: RUNDLETT, STEPHEN
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR NON-TARGETED ACTIVATION OF

Db 4646 GCAAAACAAATGCAGACTTTCCTTCTGTCAGGAGATATATCCAAAGATGGTCAAG 4705
Qy 160 ValAlaSerLeuValValysArgThrSerArgSerArgGlyPheArgProAspTyrAla 179
Db 4706 GTCGCAAGCTTGCTGCTGTAAGAGGACCCACCAAGAGTGTGGATATAGCCAGACTTTGTT 4765
Qy 180 GlyPheGluLeuProHisLeuPheValValGlyTyrAlaLeuAspTyrAsnGluTyrPhe 199
Db 4766 GGATTTGAAATCCAGACAAAGTTTGTGTAGGATATGCCCTTGACTATATGAATACTTC 4825
Qy 200 ArgAspLeuAsnHisLeuValValLeuAsnGluHisGly 212
Db 4826 AGGATTTGAATCATGTTTGTGTCATTAGTGAAGAACTGGA 4864

RESULT 8

US-09-481-355-20
; Sequence 20, Application US/09481355
; Patent No. 6524824
; GENERAL INFORMATION:
; APPLICANT: HARRINGTON, JOHN J.
; APPLICANT: SHERF, BRUCE
; APPLICANT: RUNDLETT, STEPHEN
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR NON-TARGETED ACTIVATION OF
; FILE REFERENCE: 0221-0003F
; CURRENT APPLICATION NUMBER: US/09/481,355
; CURRENT FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 09/276,820
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 09/159,643
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 08/941,223
; PRIOR FILING DATE: 1997-09-26
; PRIOR APPLICATION NUMBER: 09/263,814
; PRIOR FILING DATE: 1999-03-08
; PRIOR APPLICATION NUMBER: 09/253,022
; PRIOR FILING DATE: 1999-02-19
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
; LENGTH: 5247
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-481-355-20

Alignment Scores:
Pred. No.: 3,97e-96 Length: 5247
Score: 768.50 Matches: 145
Percent Similarity: 82.63% Conservative: 31
Best Local Similarity: 68.08% Mismatches: 36
Query Match: 68.86% Indels: 1
DB: 4 Gaps: 1

US-09-902-705-2 (1-212) x US-09-481-355-20 (1-5247)

Qy 1 MetAlaThr---ArgSerProGlyValValIleMetAspAspTrpProGlyTyrAspLeu 19
Db 4226 ATGGCTACAGGTGCGAGCCCTGGCGTCGTGATTAGTCATGATGAACCCAGGTTATGACCTT 4285
Qy 20 AsnLeuPheThrTyrProGlnHisTyrTyrGlyAspLeuGluTyrValLeuIleProHis 39
Db 4286 GATTTATTGTCATACCTAATCATTCGTCAGAGATTGGAAGGGTGTATTCCTCAT 4345
Qy 40 GlyIleValAlaArgIleGluArgLeuAlaValAspIleMetHisAspIleGlyTyr 59
Db 4346 GGACTAAATATGAGCAGGACTGAACGCTTCTGCTCGAGATGTGATGAAGGAGATGCGAGGC 4405
Qy 60 SerAspIleMetValLeuValLeuValLeuValLeuValLeuValLeuValLeuVal 79
Db 4406 CATCATATGAGCCCTCTGTGTCTCAAGGGGGCTATAAATCTTTGCTGACCTGCTG 4465
Qy 80 GluHisLeuValAsnHisLeuSerArgAsnSerArgPheValSerMetHisValAspPhe 99

Db 4466 GATTACATCAAGACCTGAATAGAAATAGTAGATATCCATTCCTATGACTGTAGATTT 4525
Qy 100 IleArgLeuValSerTyrArgAsnAspGlnSerMetGlyGluMetGlnIleIleGly 119
Db 4526 ATCAGACTGAAGAGCTATTGTAATGACCACTCAACAGGGGACATAAAGTAATTTGGTGA 4585
Qy 120 GlyAspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThr 139
Db 4586 GATGATCTCTCAACTTTAACTGGAAAGAATGCTTCTGATTGTGGAAGATATAATTCACACT 4645
Qy 140 GlyArgThrMetLysAlaLeuLeuSerAsnIleGluLysTyrLysProAsnMetIleLys 159
Db 4646 GGCAGAAACATGACAGACTTTGCTTCTTGGTCAGCAGCATATAATCCAAGATGTCAG 4705
Qy 160 ValAlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyrAla 179
Db 4706 GTCGCAAGCTTGCTGTAAGAGGACCCACCAAGTGTGGATATGAAGCCAGACTTTGTT 4765
Qy 180 GlyPheGluLeuProHisLeuPheValValGlyTyrAlaLeuAspTyrAsnGluTyrPhe 199
Db 4766 GGATTTGAAATTCAGACAAAGTTTGTGTAGGATATGCCCTTGACTATATGAATACTTC 4825
Qy 200 ArgAspLeuAsnHisLeuValValIleAsnGluHisGly 212
Db 4826 AGGATTTGAATCATGTTTGTGTCATTAGTGAAGAACTGGA 4864

RESULT 9

US-09-481-282-20
; Sequence 20, Application US/09481282
; Patent No. 6541221
; GENERAL INFORMATION:
; APPLICANT: HARRINGTON, JOHN J.
; APPLICANT: SHERF, BRUCE
; APPLICANT: RUNDLETT, STEPHEN
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR NON-TARGETED ACTIVATION OF
; FILE REFERENCE: 0221-0003US
; CURRENT APPLICATION NUMBER: US/09/481,282
; CURRENT FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: 09/159,643
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 08/941,223
; PRIOR FILING DATE: 1997-09-26
; PRIOR APPLICATION NUMBER: 09/263,814
; PRIOR FILING DATE: 1999-03-08
; PRIOR APPLICATION NUMBER: 09/253,022
; PRIOR FILING DATE: 1999-02-19
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
; LENGTH: 5247
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-481-282-20

Alignment Scores:
Pred. No.: 3,97e-96 Length: 5247
Score: 768.50 Matches: 145
Percent Similarity: 82.63% Conservative: 31
Best Local Similarity: 68.08% Mismatches: 36
Query Match: 68.86% Indels: 1
DB: 4 Gaps: 1

US-09-902-705-2 (1-212) x US-09-481-282-20 (1-5247)

Qy 1 MetAlaThr---ArgSerProGlyValValIleMetAspAspTrpProGlyTyrAspLeu 19
Db 4226 ATGGCTACAGGTGCGAGCCCTGGCGTCGTGATTAGTCATGATGAACCCAGGTTATGACCTT 4285
Qy 20 AsnLeuPheThrTyrProGlnHisTyrTyrGlyAspLeuGluTyrValLeuIleProHis 39
Db 4286 GATTTATTGTCATACCTAATCATTCGTCAGGATTGGAAGGGTGTATTCCTCAT 4345

Qy 40 GlyIleValAspArgIleGluArgLeuAlaLysAspIleMetLysAspIleGlyTyr 59
Db 4346 GGACTAATTATGACAGGACTGAACGCTCTGTCTCGAGATGTGATGAAGAGATGGAGGC 4405
Qy 60 SerAspIleMetValLeuCysValLeuLysGlyTyrLysPheCysAlaAspLeuVal 79
Db 4406 CATCAATTTAGCCCTCTGTGTCTCAAGGGGGCTATAAATCTTTTCTGACTGCTG 4465
Qy 80 GluHisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPhe 99
Db 4466 GATTACATCAAGCACTGAATAGAAATAGTAGATCCATCTTATGCTGATGCTG 4525
Qy 100 IleArgLeuLysSerThrArgAsnAspGlnSerMetGlyGluMetGlnIleGlyGly 119
Db 4526 ATCAGACTGAAGAGCTATTGTATGACCACTCAAGGGGACATATAAATGTTGTTG 4585
Qy 120 GlyAspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThr 139
Db 4586 GATGATCTCTCACTTTAACTGGAAGAATGCTTGTGTCAGGCAGTATAATCCAAAGATGTC 4645
Qy 140 GlyArgThrMetLysAlaLeuLysSerAsnIleGluLysTyrLysPheProAsnMetLys 159
Db 4646 GGCAAAACAATGCACTTTGCTTCTTGTGTCAGGCAGTATAATCCAAAGATGTC 4705
Qy 160 ValAlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyrAla 179
Db 4706 GTGCGAAGCTTGTGTGGAAGGACCCCAAGAGTGTGATATAAGCCAGACTTTGTT 4765
Qy 180 GlyPheGluIleProHisLeuPheValValGlyTyrAlaLeuAspTyrAsnGluTyrPhe 199
Db 4766 GGATTTGAAATCCACACAAAGTTTGTGTAGGATATGCCCTTGACTATAATGAATCTTC 4825
Qy 200 ArgAspLeuAsnHisIleCysValIleAsnGluHisGly 212
Db 4826 AGGATTTGAATCATGTTGTGTCATTAGTGAAACTGGA 4864

RESULT 10

US-09-455-659A-20 Application US/09455659A
; Sequence 20, Application US/09455659A
; Patent No. 6602686
; GENERAL INFORMATION:
; APPLICANT: HARRINGTON, JOHN J.
; APPLICANT: SHERP, BRUCE
; APPLICANT: RUNDLETT, STEPHEN
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR NON-TARGETED ACTIVATION OF
; TITLE OF INVENTION: ENDOGENOUS GENES
; FILE REFERENCE: 0221-0003A
; CURRENT APPLICATION NUMBER: US/09/455,659A
; CURRENT FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 09/276,820
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 09/263,814
; PRIOR FILING DATE: 1999-03-08
; PRIOR APPLICATION NUMBER: 09/253,022
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: 09/159,643
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 08/941,223
; PRIOR FILING DATE: 1997-09-26
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 20
; LENGTH: 5247
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-455-659A-20

Alignment Scores: 3.97e-96 Length: 5247
Pred. No.: 768.50 Matches: 145
Score: 82.63% Conservative: 31
Percent Similarity: 68.08% Mismatches: 36
Best Local Similarity:

Query Match: 68.86% Indels: 1
DB: 4 Gaps: 1
US-09-902-705-2 (1-212) x US-09-455-659A-20 (1-5247)
Qy 1 MetAlaThr---ArgSerProGlyValValIleMetAspAspTrrProGlyTyrAspLeu 19
Db 4226 ATGGCTACAGTTCGAGCCCTGGCTCGTATTAGTAGATGATGAACACAGGTATGACCTT 4285
Qy 20 AsnLeuPheThrTyrProGlnHisTyrTyrGlyAspLeuGluTyrValLeuIleProHis 39
Db 4286 GATTTATTTTGTGATACCTTAATCATTTATGCTGAGGATTTTGGAAAGGTTTATTCCTCAT 4345
Qy 40 GlyIleValAspArgIleGluArgLeuAlaLysAspIleMetLysAspIleGlyTyr 59
Db 4346 GGCTHATTTATGACAGGACTGAACGCTTTTCTCGAGATGTGATGAAGAGATGGAGGC 4405
Qy 60 SerAspIleMetValLeuCysValLeuLysGlyTyrLysPheCysAlaAspLeuVal 79
Db 4406 CATCACTTGTGACCTCTGTGTCTCAAGGGGGCTATAAATCTTTTCTGCTGACCTGCTG 4465
Qy 80 GluHisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPhe 99
Db 4466 GATTACATCAAGCACTGAATAGAAATAGTAGATCCATCTTCTATGACTGTAGATTTT 4525
Qy 100 IleArgLeuLysSerThrArgAsnAspGlnSerMetGlyGluMetGlnIleIleGlyGly 119
Db 4526 ATCAGACTGAAGAGCTATTGTATGACCACTCAAGGGGACATATAAATGTTGTTG 4585
Qy 120 GlyAspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThr 139
Db 4586 GATGATCTCTCAACTTTAACTGGAAGAATGCTTGTGTCAGGCAGTATAATGAATCTTC 4645
Qy 140 GlyArgThrMetLysAlaLeuLysSerAsnIleGluLysTyrLysProAsnMetLys 159
Db 4646 GGCAAAACAATGCACTTTGCTTCTTGTGTCAGGCAGTATAATCCAAAGATGTC 4705
Qy 160 ValAlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyrAla 179
Db 4706 GTGCGAAGCTTGTGTGGAAGGACCCCAAGAGTGTGATATAAGCCAGACTTTGTT 4765
Qy 180 GlyPheGluIleProHisLeuPheValValGlyTyrAlaLeuAspTyrAsnGluTyrPhe 199
Db 4766 GGATTTGAAATCCACACAAAGTTTGTGTAGGATATGCCCTTGACTATAATGAATCTTC 4825
Qy 200 ArgAspLeuAsnHisIleCysValIleAsnGluHisGly 212
Db 4826 AGGATTTGAATCATGTTGTGTCATTAGTGAAACTGGA 4864
RESULT 11
US-09-484-996-20
; Sequence 20, Application US/09484996
; Patent No. 6623958
; GENERAL INFORMATION:
; APPLICANT: HARRINGTON, JOHN J.
; APPLICANT: SHERP, BRUCE
; APPLICANT: RUNDLETT, STEPHEN
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR NON-TARGETED ACTIVATION OF
; TITLE OF INVENTION: ENDOGENOUS GENES
; FILE REFERENCE: 0221-0003H
; CURRENT APPLICATION NUMBER: US/09/484,996
; CURRENT FILING DATE: 2000-01-18
; PRIOR APPLICATION NUMBER: 09/276,820
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 09/263,814
; PRIOR FILING DATE: 1998-03-08
; PRIOR APPLICATION NUMBER: 09/253,022
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: 09/159,643
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 08/941,223
; PRIOR FILING DATE: 1997-09-26
; NUMBER OF SEQ ID NOS: 33

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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
; LENGTH: 5247
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-484-996-20

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Alignment Scores:		
Pred. No.:	3,978-96	Length:
Score:	768.50	Matches:
Percent Similarity:	82.63%	Conservative:
Best Local Similarity:	68.08%	Mismatches:
Query Match:	68.96%	Indels:
DB:	4	Gaps:
		1
		5347

US-09-902-705-2 (1-212) X US-09-484-996-20 (1-5247)

QY	1	MetAlaThr----	ArgSerProGlyValValIleMetAspAspTrpProGlyTyrAspIeu	19
DB	4226	ATFGGCTACAGTCCGACCCCTGGCGTGGTATAGTAGATGATGAACACGAGTTATGACCTT	4285	
QY	20	AsnLeuPheThrTyProGlnHisTyrTyArgAspLeuGluTyrValLeuIleProHis	39	
DB	4286	GATTATTATTTGCATACCTAATCATTTATGCTGAGGATTTGGAAAGGGTCTTTATTCCCTCAT	4345	
QY	40	GlyIleIleValAspArgIleGluArgLeuAlaLysAspIleMetLysAspIleGlyTyr	59	
DB	4346	GGACTAAATTATGGACAGGACTGAACGCTCTTGCTCGAGATGTGATGAAGAGATGGGAGGC	4405	
QY	60	SerAspIleMetValLeuCysValLeuLysGlyGlyTyrLysPheCysAlaAspLeuVal	79	
DB	4406	CATCACATTGTAGCCCTCTGTGTCTCAAGGGGGCTATAAATCTTTTGCTGACCTGCTG	4465	
QY	80	GluHisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPhe	99	
DB	4466	GATTATCATCAAGCAGCTGAATAGAAATAGTAGATGATTCCTTCTTGAAGTGTAGATTTT	4525	
QY	100	IleArgLeuLysSerTyrArgAsnAspGlnSerMetGlyIleMetGlnIleIleGlyGly	119	
DB	4526	ATCAGACTGAAGAGCTATTGTATATGACCACTCAACAGGGGACATAAAAAGTAAATTTGGTGA	4585	
QY	120	GlyAspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThr	139	
DB	4586	GATGATCTCTCAACTTTAACTGGAAAGATGCTCTGATTGTGGAGATATAATTGACACT	4645	
QY	140	GlyArgThrMetLysAlaLeuLeuSerAsnIleGluLysTyrLysProAsnMetIleLys	159	
DB	4646	GGCAAAACAATGCGAGACTTTGCTTTCTTGGTCAGCAGATATAATCCAAAGATGGTCAAG	4705	
QY	160	ValAlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyrAla	179	
DB	4706	GTCCGAAGCTTCTGGTGAAGAGAGCCCAAGAGTGTGGATATAAGCCAGACTTTGTT	4765	
QY	180	GlyPheGluIleProHisLeuPheValValGlyTyrAlaLeuAspTyrAsnGluTyrPhe	199	
DB	4766	GGATTGTGAAATTCAGACACAGTTGTGTGTAGAGATGGCCCTGACTATAATGAATCTTC	4825	
QY	200	ArgAspLeuAsnHisIleCysValIleAsnGluHisGly	212	
DB	4826	AGGATTTGAATCATGTTTGTGTCATTAGTGAACCTGGA	4864	

RESULT 12

RES-011 12
US/09-479-123-20
Sequence 20, Application US/09479123
Patent No. 6670185
GENERAL INFORMATION:
APPLICANT: HARRINGTON, JOHN J.
APPLICANT: SHERF, BRUCE
APPLICANT: RUNDLETT, STEPHEN
TITLE OF INVENTION: COMPOSITIONS AND
TITLE OF INVENTION: ENDOGENOUS GENES
FILE REFERENCE: 0221-0003B
CURRENT APPLICATION NUMBER: US/09/479-123-20

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; CURRENT FILING DATE: 2000-01-07
; PRIOR APPLICATION NUMBER: 09/263,814
; PRIOR FILING DATE: 1999-03-08
; PRIOR APPLICATION NUMBER: 09/253,022
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: 09/159,643
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 08/941,223
; PRIOR FILING DATE: 1997-09-26
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
; LENGTH: 5247
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-479-123-20

Alignment Scores:
Pred. No.: 3,97e-96
Score: 768.50
Percent Similarity: 82.63%
Best Local Similarity: 68.08%
Query Match: 68.86%
DRA: 4
Indels: 1
Mismatches: 36
Matches: 145
Length: 5247

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US-09-902-705-2 (1-212) x US-09-479-123-20 (1-5247)

Qy	1	MetAlaThr---ArgSerProGlyValValIleMetAspAspTrpProGlyTyrAspIeu	19
Db	4226	ATGGGTACAGGTCGACCCCTGGCGTGGTATAGTAGATGATGAACCAAGGTATTAGACCTT	4285
Qy	20	AsnLeuPheThrTyProGlnHisTyrTyArgLeuGluTyrValLeuIleProHis	39
Db	4286	GATTATTTTGCATACCTAATCATTTATGCTGAGGATTTGGAAAGGGTCTTTTATTCCTCAT	4345
Qy	40	GlyIleIleValAspArgIleGluArgLeuAlaLysAspIleMetLysAspIleGlyTyr	59
Db	4346	GGACTAATATTGGACACGAGCTGAACGCTTGTCTCGAGATGTGTAAGAGGATGGGAGGC	4405
Qy	60	SerAspIleMetValLeuCysValLeuLysGlyGlyTyrLysPheCysAlaAspLeuVal	79
Db	4406	CATCACATTGTAGCCCTCTGTGTGCTCAAGGGGGCTATAAATCTTTGTCTGACCTGCTG	4465
Qy	80	GluHisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPhe	99
Db	4466	GATTACATCAAGCACGTGAATAGAAATGATGATAGTCCATTCCTATGACTGTGATATTT	4525
Qy	100	IleArgLeuLysSerTyrArgAsnAspGlnSerMetGlyGluMetGlnIleIleGlyGly	119
Db	4526	ATCACACTGAAGAGCTATTGTAATGACCAGTCAACAGGGGACATAAAAGTAAATTTGGTGA	4585
Qy	120	GlyAspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThr	139
Db	4586	GATGATCTCTCACTTTAACTGGAAAGAATGCTTGATTGTGGANGATATAAATGCACCT	4645
Qy	140	GlyArgThrMetLysAlaLeuLeuSerAsnIleGluLysTyrLysProAsnMetIleLys	159
Db	4646	GGCAAAACAATGCAGACTTTGCTTTCTGTCGCGCAGATATAATCCAAAGATGGTCAAG	4705
Qy	160	ValAlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyrAla	179
Db	4706	GTCCGAAGCTGTCTGGTGGAAAGGACCCACCAAGTGTGGATATAAGCCAGACTTTGTT	4765
Qy	180	GlyPheGluIleProHisLeuPheValValGlyTyrAlaLeuAspTyrAsnGluTyrPhe	199
Db	4766	GGATTGGAAATTCAGACACAAGTTTGTGTAGAGATGGCCCTGCATATAATGAATCTTC	4825
Qy	200	ArgAspLeuAsnHisIleCysValIleAsnGluHisGly	212
Db	4826	AGGGATTTGAATCATGTTTGTGTCATTAGTGAACCTGGA	4864

RESULT 13

RESOLUTION 13
US-09-479-122-27

Db	4773	GTCCGAAGCTTCTGGTGAAGAGGACCCACGAAGTGTGGATATAGCCACACACTTTGT	4832
Qy	180	GlypheGluIleProHisLeuPheValValGlyTyrAlaLeuAspTyrAsnGluTyrPhe	199
Db	4833	GGATTTGAAATTCACAGCAAGTTTGTGTAGATATGCGCTTGACTATAATGAATACTTC	4892
Qy	200	ArgAspLeuAsnHisIleCysValIleAsnGluHisGly	212
Db	4893	AGGGAATTGAATCATGTGTTGTGTCAATTAGTGAACCTGGA	4931

RESULT 14

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US-09-484-997-27
; Sequence 27, Application US/09484937
; Patent No. 6524818
; GENERAL INFORMATION:
; APPLICANT: HARRINGTON, JOHN J.
; APPLICANT: SHERF, BRUCE
; APPLICANT: RUNDLETT STEPHEN
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR NON-TARGETED ACTIVATION OF
; TITLE OF INVENTION: ENDOGENOUS GENES
; FILE REFERENCE: 0221-0003J
; CURRENT APPLICATION NUMBER: US/09/484,997
; CURRENT FILING DATE: 2000-01-18
; PRIOR APPLICATION NUMBER: 09/276,820
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 09/159,643
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 08/941,223
; PRIOR FILING DATE: 1997-09-26
; PRIOR APPLICATION NUMBER: 09/263,814
; PRIOR FILING DATE: 1999-03-08
; PRIOR APPLICATION NUMBER: 09/253,022
; PRIOR FILING DATE: 1999-02-19
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 27
; LENGTH: 5314
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-484-997-27

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Alignment Scores:		
Pred. No.:	4, 05e-96	5314
Score:	768.50	145
Percent Similarity:	82.63%	31
Best Local Similarity:	68.08%	36
Query Match:	68.86%	1
DB:	4	1
	Length:	
	Matches:	
	Conservative:	
	Mismatches:	
	Indels:	
	Gaps:	

US-09-902-705-2 (1-212) X US-09-484-997-27 (1-5314)

Qy	1	MetalaThr---ArgSerProGlyValValIleMetAspAspTrpProGlyTyrAspLeu	19
Db	4293	ATGGCTACAGTCGACGCCCTCGCGTGAITAGTAGTGATGATGAACACAGGTTATGACCTT	4352
Qy	20	AsnLeuphethrTyrProGlnHisTyrTyrGlyAspLeuGluTyrValLeuIleProHis	39
Db	4353	GAITTTATTTTGCATACCTAATCATTTANGCTGAGGATTTGGAAAGGGTGTATTATTCCTCAT	4412
Qy	40	GlyIlelleValAspArgIleGluArgLeuAlaLysAspIleMetLysAspIleGlyTyr	59
Db	4413	SGACTAATTATGGACAGGACTGAACTCTTGCTCGAGATGTGATGAGGAGATGGAGGC	4472
Qy	60	SerAspIleMetValLeuCysValLeuLysGlyGlyTyrLysPheCysAlaAspLeuVal	79
Db	4473	CATCACATTGAGCCCTCTGTGTGCTCAAGGGGGCTATAAATCTTTGTGCTGACCTCGTG	4532
Qy	80	GluHisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPhe	99
Db	4533	GATTACATCAAAAGCACCTGAATAGAAATAGTGATAGATCCATTCCTATGACTGTAGATTTT	4592
Qy	100	IleArgLeuLysSerTyrArgAsnAspGlnSerMetGlyGluMetGlnIleIleGlyGly	119

Db 4593 ATCAGACTGAAGAGCTATTGTAATGACCGAGTCAACAGGGGACATAAAGTAATTGGTGA 4652
 Qy 120 GlyAspLeuSerThrLeuAlaGlyValAsnPheLeuIleValGluAspValValGlyThr 139
 Db 4653 GATGATCTCTCAACTTTAACTGGAAGAAATGCTGTGATTGTAAGATATAATTGACACT 4712
 Qy 140 GlyArgThrMetLysAlaLeuLeuSerAsnIleGluLysTyrLysProAsnMetIleLys 159
 Db 4713 GGCRAAACAAATGCAGACTTTCCTTTCCTGTCAGGCAGTATAATCCAAAGATGGTCAAG 4772
 Qy 160 ValAlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyrAla 179
 Db 4773 GTCGCAAGCTTGTGGTGAAGAGACCCCAAGAGTGTGATATGCCCTTGACTATAATGATACCTC 4832
 Qy 180 GlyPheGluIleProHisLeuPheValValGlyTyrAlaLeuAspTyrAsnGluTyrPhe 199
 Db 4833 GGAATTGAAATTCAGACAACTTGTGTGATAGATATGCCCTTGACTATAATGATACCTC 4892
 Qy 200 ArgAspLeuAsnHisIleCysValIleAsnGluHisGly 212
 Db 4893 AGGGAATTTGAATCATGTTGTGTCATTAGTGAAACTGGA 4931

RESULT 15
 US-09-481-355-27
 ; Sequence 27, Application US/09481355
 ; Patent No. 6524824
 ; GENERAL INFORMATION:
 ; APPLICANT: HARRINGTON, JOHN J.
 ; APPLICANT: SHERF, BRUCE
 ; APPLICANT: RUNDLETT, STEPHEN
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR NON-TARGETED ACTIVATION OF
 ; TITLE OF INVENTION: ENDOGENOUS GENES
 ; FILE REFERENCE: 0221-0003P
 ; CURRENT APPLICATION NUMBER: US/09/481,355
 ; CURRENT FILING DATE: 2000-01-12
 ; PRIOR APPLICATION NUMBER: 09/276,820
 ; PRIOR FILING DATE: 1999-03-26
 ; PRIOR APPLICATION NUMBER: 09/159,643
 ; PRIOR FILING DATE: 1998-09-24
 ; PRIOR APPLICATION NUMBER: 08/941,223
 ; PRIOR FILING DATE: 1997-09-26
 ; PRIOR APPLICATION NUMBER: 09/263,814
 ; PRIOR FILING DATE: 1999-03-08
 ; PRIOR APPLICATION NUMBER: 09/253,022
 ; PRIOR FILING DATE: 1999-02-19
 ; NUMBER OF SEQ ID NOS: 33
 ; SOFTWARE: Patent In Ver. 2.1
 ; SEQ ID NO 27
 ; LENGTH: 5314
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-481-355-27

Alignment Scores:
 Pred. No.: 4,05e-96 Length: 5314
 Score: 768.50 Matches: 145
 Percent Similarity: 82.63% Conservative: 31
 Best Local Similarity: 68.08% Mismatches: 36
 Query Match: 68.86% Indels: 1
 DB: 4 Gaps: 1

US-09-902-705-2 (1-212) x US-09-481-355-27 (1-5314)

Qy 1 MetAlaThr---ArgSerProGlyValValIleMetAspAspTrpProGlyTyrAspLeu 19
 Db 4293 ATGGCTACAGTCCGAGCCCTGGTGTGATTAGTAGTATGATGACAGGTTATGACCTT 4352
 Qy 20 AsnLeuPheThrTyrProGlnHisTyrTyrGlyAspLeuGluTyrValLeuIleProHis 39
 Db 4353 GATTATTATTTGCATACCTTAATCATGCTGAGGATTTGGAAGGGTGTATTATTCCTCAT 4412
 Qy 40 GlyIleIleValAspArgIleGluArgLeuAlaLysAspIleMetLysAspIleGlyTyr 59

Db 4413 GGACTAATTATGACAGGACTGAACGCTTGTGTCGAGATGTGATGAAGGAGATGGAGGC 4472
 Qy 60 SerAspIleMetValLeuCysValLeuLysGlyTyrLysPheCysAlaAspLeuVal 79
 Db 4473 CATCACATTGTAGCCCTCTGTGCTCAAGGGGGCTATTAATTTTCTTGCTGACCTGTG 4532
 Qy 80 GluHisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPhe 99
 Db 4533 GATTACATCAAGACACTGAATAAGAAATAGTAGATCCATTCCTATGACTGTAGATTTT 4592
 Qy 100 IleArgLeuLysSerTyrArgAsnAspGlnSerMetGlyGluMetGlnIleIleGlyGly 119
 Db 4593 ATCAGACTGAAGAGCTATTGTAATGACCAAGTCAACAGGGGACATATAATGATTTGTTG 4652
 Qy 120 GlyAspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThr 139
 Db 4653 GATGATCTCTCAACTTTAACTGGAAGAAATGCTTGTGTTGGAAGATATAATGACACT 4712
 Qy 140 GlyArgThrMetLysAlaLeuLeuSerAsnIleGluLysTyrLysProAsnMetIleLys 159
 Db 4713 GGCRAAACAAATGCAGACTTTCCTTTCCTTGGTCAGGCAGTATAATCCAAAGATGGTCAAG 4772
 Qy 160 ValAlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyrAla 179
 Db 4773 GTCGCAAGCTTGTGGTGAAGAGACCCCAAGAGTGTGATATAAGCCAGACTTTGTT 4832
 Qy 180 GlyPheGluIleProHisLeuPheValValGlyTyrAlaLeuAspTyrAsnGluTyrPhe 199
 Db 4833 GGAATTGAAATTCAGACAACTTGTGTGATAGATATGCCCTTGACTATAATGATACCTC 4892
 Qy 200 ArgAspLeuAsnHisIleCysValIleAsnGluHisGly 212
 Db 4893 AGGGAATTTGAATCATGTTGTGTCATTAGTGAAACTGGA 4931

Search completed: August 28, 2004, 15:27:31
 Job time : 122 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: August 28, 2004, 09:53:30 ; Search time 103 Seconds
(without alignments)
106.259 Million call updates/sec

Title: US-09-902-705-2

Perfect score: 1116
Sequence: 1 MATRSPGVIMDDWFGYDLN.....LDYNEFRDLNHICVINEHG 212

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA.*
1: /cgn2_6/ptodata/2/iaa/5A.COMB.pcp.*
2: /cgn2_6/ptodata/2/iaa/5B.COMB.pcp.*
3: /cgn2_6/ptodata/2/iaa/6A.COMB.pcp.*
4: /cgn2_6/ptodata/2/iaa/6B.COMB.pcp.*
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6: /cgn2_6/ptodata/2/iaa/backfiles.pcp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	1116	100.0	212	4	US-09-189-833B-2
2	1059	95.8	225	4	US-09-786-240-4
3	786	70.4	218	4	US-09-189-833B-8
4	779	69.8	218	4	US-09-189-833B-7
5	772	69.2	218	1	US-08-644-664B-14
6	772	69.2	218	2	US-08-761-277A-14
7	446.5	40.0	231	4	US-09-189-833B-9
8	263.5	23.6	200	4	US-09-107-532A-4646
9	238.5	21.4	181	4	US-09-134-001C-3318
10	222.5	19.9	210	4	US-09-189-833B-10
11	210.5	18.8	185	4	US-09-540-236-2305
12	202.5	18.1	184	4	US-09-489-033A-12490
13	194	17.4	181	4	US-09-543-681A-5968
14	190	17.0	178	4	US-09-328-352-4965
15	157	14.1	214	4	US-09-252-991A-30612
16	125.5	11.2	182	4	US-09-134-000C-6084
17	119	10.7	179	4	US-09-107-532A-5030
18	96	8.6	182	4	US-08-920-803A-2
19	96	8.6	182	4	US-08-920-803A-4
20	89	8.0	187	4	US-09-134-001C-4780
21	88.5	7.9	1028	4	US-09-328-352-5749
22	87	7.8	494	3	US-08-993-260-3
23	87	7.8	892	1	US-07-977-434-12
24	87	7.8	892	1	US-08-458-819-12
25	87	7.8	892	5	PCT-US91-07035-12
26	85.5	7.7	887	4	US-09-540-236-2911
27	84.5	7.6	207	4	US-09-252-991A-17055

28	84.5	7.6	272	4	US-09-107-532A-5898	Sequence 5898, Ap
29	82	7.3	834	4	US-09-252-991A-31321	Sequence 31321, A
30	78.5	7.0	203	4	US-09-134-001C-4797	Sequence 4797, Ap
31	78.5	7.0	415	4	US-09-134-001C-5077	Sequence 5077, Ap
32	78.5	7.0	419	4	US-09-328-352-6451	Sequence 6451, Ap
33	78	7.0	1038	3	US-09-541-782-4	Sequence 4, Appli
34	78	7.0	1038	4	US-09-723-820-4	Sequence 4, Appli
35	78	7.0	1038	4	US-10-270-085-4	Sequence 4, Appli
36	77	6.9	503	4	US-09-252-991A-32777	Sequence 32777, A
37	77	6.9	1169	1	US-08-315-468-4	Sequence 4, Appli
38	76.5	6.9	219	4	US-09-540-236-2247	Sequence 2247, Ap
39	76.5	6.9	316	4	US-09-543-681A-7414	Sequence 7414, Ap
40	75.5	6.8	1218	4	US-09-589-567-2	Sequence 2, Appli
41	75	6.7	253	4	US-09-489-039A-10712	Sequence 10712, A
42	75	6.7	641	4	US-09-724-623-76	Sequence 76, Appl
43	74.5	6.7	181	4	US-09-540-236-2596	Sequence 2596, Ap
44	74.5	6.7	285	3	US-09-327-681-6	Sequence 6, Appli
45	74.5	6.7	1454	4	US-09-328-352-5793	Sequence 5793, Ap

ALIGNMENTS

RESULT 1
US-09-189-833B-2
; Sequence 2, Application US/09189833B
; Patent No. 6553446
; GENERAL INFORMATION:
; APPLICANT: Bednarik et al.
; TITLE OF INVENTION: Human Hypoxanthine- (Guanine) Phosphoribosyl Transferase-2
; FILE REFERENCE: PFI38PDI1
; CURRENT APPLICATION NUMBER: US/09/189,833B
; CURRENT FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: US 08/461,031
; PRIOR FILING DATE: 1995-06-05
; PRIOR APPLICATION NUMBER: PCT/US94/11914
; PRIOR FILING DATE: 1994-10-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 212
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-189-833B-2

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Best Local Similarity	100.0%;	Pred. NC	5.2e-125;					
Matches 212;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;
QY	1	MATRSPGVIMDDWFGYDLNLF	TPQHYGDLVYLPHGII	VDRIERLAKD	IMKDIGS	60		
Db	1	MATRSPGVIMDDWFGYDLNLF	TPQHYGDLVYLPHGII	VDRIERLAKD	IMKDIGS	60		
QY	61	DIMVLCVLKGGYKFCADL	VEHLKNI	SRNSDRFVSKMVD	FIRLKS	YRNDQSMGEMQI	IGGG	120
Db	61	DIMVLCVLKGGYKFCADL	VEHLKNI	SRNSDRFVSKMVD	FIRLKS	YRNDQSMGEMQI	IGGG	120
QY	121	DUSTLAGK	FLIVEDVGTGR	TMKALLS	NIKYP	KPMIKVASLL	VKRTSRSDGPRPDYAG	180
Db	121	DUSTLAGK	FLIVEDVGTGR	TMKALLS	NIKYP	KPMIKVASLL	VKRTSRSDGPRPDYAG	180
QY	181	FEIPLFVVG	YALDYNEXFR	DLNHC	VINEHG	212		
Db	181	FEIPLFVVG	YALDYNEXFR	DLNHC	VINEHG	212		

RESULT 2
US-09-786-240-4
; Sequence 4, Application US/09786240
; Patent No. 6558935
; GENERAL INFORMATION:
; APPLICANT: INCYTE PHARMACEUTICALS, INC.
; APPLICANT: TANG, Y. Tom

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/644,664B
FILING DATE: 01-MAY-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Ingolia, Diane E.
REGISTRATION NUMBER: 40,027
REFERENCE/DOCKET NUMBER: GENITOPE-00912
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-644-664B-14

Query Match 69.2%; Score 772; DB 1; Length 218;
Best Local Similarity 67.9%; Pred. No. 6.7e-84;
Matches 144; Conservative 32; Mismatches 36; Indels 0; Gaps 0;

QY 1 MATRSPGVIMDDWPGYDLNLFYTPQHYGDLVYLIPHGLIIVDRIERLAKDVKMDIGYS 60
Db 1 MPTRSFVVISDEPGYDLDFCIPIHVAEDLEKVFIPHGLIMDRTERLARDVKNKGH 60

QY 61 DIMVLCVLKGGYKFCADLVEHLKNISSNDRFVSMKYDFIRLKSRYNDQSGEMQIIGGG 120
Db 61 HIVALCVLKGKGFADLDDYIKALNRNSRSIPMTVDYFIRLKSRYNDQSGTGDIKVIGGD 120

QY 121 DLSTLAGKNFLIVDVGTGRMTKALLSNIEKYKPNMIKVASLLVKTSRSDGFRPDYAG 180
Db 121 DLSTLTGKNVLIVEDIIDTGKTMQTLTLVKQSPKMKVAVASLLVKTSRSGVYRDPFVG 180

QY 181 FEIPLFVVGVALDYNEFRDLNHCIVNEHG 212
Db 181 FEIPDKFVVGVALDYNEFRNLNHCIVSETG 212

RESULT 6
US-08-761-277A-14
Sequence 14, Application US/08761277A
Patent No. 5972334
GENERAL INFORMATION:
APPLICANT: Denney Jr., Dan W.
TITLE OF INVENTION: Vaccines For Treatment Of Lymphoma And
TITLE OF INVENTION: Leukemia
NUMBER OF SEQUENCES: 80
CORRESPONDENCE ADDRESS:
ADDRESSEE: Medien & Carroll, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: California
COUNTRY: United States Of America
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/761,277A
FILING DATE: 06-DEC-1996
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/644,664
FILING DATE: 01-MAY-1996

ATTORNEY/AGENT INFORMATION:
NAME: MacKnight, Kamrin T.
REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: GENITOPE-02406
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-761-277A-14

Query Match 69.2%; Score 772; DB 2; Length 218;
Best Local Similarity 67.9%; Pred. No. 6.7e-84;
Matches 144; Conservative 32; Mismatches 36; Indels 0; Gaps 0;

QY 1 MATRSPGVIMDDWPGYDLNLFYTPQHYGDLVYLIPHGLIIVDRIERLAKDVKMDIGYS 60
Db 1 MPTRSFVVISDEPGYDLDFCIPIHVAEDLEKVFIPHGLIMDRTERLARDVKNKGH 60

QY 61 DIMVLCVLKGGYKFCADLVEHLKNISSNDRFVSMKYDFIRLKSRYNDQSGEMQIIGGG 120
Db 61 HIVALCVLKGKGFADLDDYIKALNRNSRSIPMTVDYFIRLKSRYNDQSGTGDIKVIGGD 120

QY 121 DLSTLAGKNFLIVDVGTGRMTKALLSNIEKYKPNMIKVASLLVKTSRSDGFRPDYAG 180
Db 121 DLSTLTGKNVLIVEDIIDTGKTMQTLTLVKQSPKMKVAVASLLVKTSRSGVYRDPFVG 180

QY 181 FEIPLFVVGVALDYNEFRDLNHCIVNEHG 212
Db 181 FEIPDKFVVGVALDYNEFRNLNHCIVSETG 212

RESULT 7
US-09-189-833B-9
Sequence 9, Application US/09189833B
Patent No. 6653446
GENERAL INFORMATION:
APPLICANT: Bednarik et al.
TITLE OF INVENTION: Human Hypoxanthine-(Guanine) Phosphoribosyl Transferase-2
FILE REFERENCE: PF138PDI1
CURRENT APPLICATION NUMBER: US/09/189,833B
CURRENT FILING DATE: 1998-11-12
PRIOR APPLICATION NUMBER: US 08/461,031
PRIOR FILING DATE: 1995-06-05
PRIOR APPLICATION NUMBER: PCT/US94/11914
PRIOR FILING DATE: 1994-10-19
NUMBER OF SEQ ID NOS: 11
SOFTWARE: PatentIn version 3.0
SEQ ID NO 9
LENGTH: 231
TYPE: PRT
ORGANISM: Plasmodium falciparum
US-09-189-833B-9

Query Match 40.0%; Score 446.5; DB 4; Length 231;
Best Local Similarity 42.7%; Pred. No. 5.6e-45;
Matches 93; Conservative 41; Mismatches 73; Indels 11; Gaps 3;

QY 5 SPGV-----VIMDDWPGYDLNLFYTPQHYGDLVYLIPHGLIIVDRIERLAKDVKMDI 57
Db 6 NPGAGENAPDPVFKVDDGDDYLDLSFNIHAKYKYLTKVLVNGVTKNRIEKLAYDIKKVY 65

QY 58 GYSIDIMVLCVLKGGYKFCADLVEHLKNISSNDRFVSMKY---DFIRLKSRYNDQSGEM 114
Db 66 NNEEFHILCLLKGSRGFFTALLKHLRIHNYSAVEMSKPLFGEHYVRYKSYCNDQSTGTL 125

QY 115 QIIGGGDLSTLAGKNFLIVDVGTGRMTKALLSNIEKYKPNMIKVASLLVKTSRSDGF 174
Db 126 EIV-SEDSLCLGKGVHVLVEDIIDTGKTLVKFCYLKFAFEIKTVAIACLFKRIPLWNGF 184


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Query Match      18.1%; Score 202.5; DB 4; Length 181;
Best Local Similarity 30.5%; Pred.No. 5.5e-16;
Matches 53; Conservative 38; Mismatches 70; Indels 13; Gaps 4;

QY          35 VLPHGIIIVRIERLAKDIMKDI--GYSDIMVLCLVKGKYKFCADLVHHLKNISRNSDRF 92
DB          13 VMIPSEIEKARIAELGRQINEHYQNSGSEMVLGLLRGSFMFADLCREVQ----- 63

QY          93 VSMKVDFIRLKSRYNDOS-MGEOMIIGGDLSTLAGKNFLIVEDVVGTRTKMALLSNIE 151
DB          64 VPHEVDFTASSYGSGMTTRDVKILKLDL-EDIRGKDVLIVEDIIDSGNTLSKVREILS 122

QY          152 KYKENMIKVASLLVKRTSRSDCFRPDYAGFEIPHFLVVGVYALDYNVEYFRDLNHI 205
DB          123 LREPSLAICTLLDKPSREVNVPVEYVGRAIPDEFVVGIDYAQRVRLPYI 176


RESULT 13
US-09-543-681A-5968
; Sequence 5968, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRATON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543.681A
; PRIOR FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 5968
; LENGTH: 181
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-5968

Query Match      17.4%; Score 194; DB 4; Length 181;
Best Local Similarity 28.8%; Pred.No. 5.5e-15;
Matches 53; Conservative 41; Mismatches 72; Indels 18; Gaps 5;

QY          35 VLPHGIIIVRIERLAKDIMKDI---GYSIMVLCLVKGKYKFCADLVHHLKNISRNSD 90
DB          8 VWISEEIKORIAELGREITEHYRSRQEKHDVLVLIQLLKGSFIFMADLCREIE----- 60

QY          91 RFVSKVDPIRLKSRYNDQ-SMGENQIIGGGDLSTLAGKNFLIVEDVVGTRTKMALLSN 149
DB          61 --VPHEVDFTVSSYNGMTSTRDVKIHKDL-EDIRGKDVLIVEDIIDSGNTLNVRKEI 117

QY          150 IEKYPNMIKVASLLVKRTSRSDCFRPDYAGFEIPHFLVVGVYALDYNVEYFRDL---NHIC 206
DB          118 LSLREPASIAICTLLDKPSREVDVPEWVGYSIEDKFVIGYDIAQRYRHLPYIGHVT 177

QY          207 VINE 210
DB          178 LLDE 181


RESULT 14
US-09-328-352-4965
; Sequence 4965, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Braton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 4965
; LENGTH: 178

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: August 28, 2004, 14:38:07 ; Search time 438 seconds

(without alignments)
152.278 Million cell updates/sec

Title: US-09-902-705-2

Perfect score: 1116

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Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1297172 seqs, 314612898 residues

Total number of hits satisfying chosen parameters: 1297172

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
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- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1116	100.0	212	9	US-09-189-833B-2
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3	1069	95.8	225	14	US-10-427-631-4
4	1065	95.4	230	15	US-10-264-049-2599
5	786	70.4	218	9	US-09-189-833B-8
6	786	70.4	218	9	US-09-902-705-8
7	779	69.8	218	9	US-09-189-833B-7
8	779	69.8	218	9	US-09-902-705-7
9	779	69.8	218	16	US-10-408-765A-433
10	772	69.2	218	9	US-09-925-664-14
11	772	69.2	218	12	US-09-925-192-14
12	446.5	40.0	231	9	US-09-189-833B-9
13	446.5	40.0	231	9	US-09-902-705-9
14	339	30.4	230	14	US-10-102-143-13
15	265.5	23.8	165	15	US-10-369-493-19356

16	265.5	23.8	180	15	US-10-369-493-18445	Sequence 18445, A
17	265.5	23.8	180	15	US-10-369-493-23048	Sequence 23048, A
18	262.5	23.5	178	15	US-10-369-493-16573	Sequence 16573, A
19	261	23.4	183	15	US-10-369-493-18289	Sequence 18289, A
20	255	22.8	178	15	US-10-369-493-35	Sequence 35, Appl
21	254.5	22.8	169	15	US-10-369-493-16739	Sequence 16739, A
22	253.5	22.7	197	15	US-10-369-493-9596	Sequence 9596, Ap
23	251.5	22.4	194	9	US-09-738-626-6465	Sequence 6465, Ap
24	250.5	22.4	648	12	US-10-282-122A-60371	Sequence 60371, A
25	235.5	21.1	166	15	US-10-369-493-10077	Sequence 10077, A
26	234	21.0	171	15	US-10-369-493-8982	Sequence 8982, Ap
27	233.5	20.9	186	14	US-10-156-761-12199	Sequence 12199, A
28	232.5	20.8	179	15	US-10-369-493-17099	Sequence 17099, A
29	229	20.5	171	15	US-10-369-493-2903	Sequence 2903, Ap
30	224.5	20.1	180	15	US-10-369-493-11989	Sequence 11989, A
31	222.5	19.9	182	15	US-10-369-493-8293	Sequence 8293, Ap
32	222.5	19.9	210	9	US-09-189-833B-10	Sequence 10, Appl
33	222.5	19.9	210	9	US-09-902-705-10	Sequence 10, Appl
34	216.5	19.4	182	15	US-10-369-493-704	Sequence 704, App
35	211	18.9	191	12	US-10-424-599-234707	Sequence 234707, A
36	211	18.9	191	12	US-10-425-114-71935	Sequence 71935, A
37	211	18.9	191	12	US-10-425-114-71936	Sequence 71936, A
38	211	18.9	191	12	US-10-425-114-72004	Sequence 72004, A
39	210	18.8	179	15	US-10-369-493-7744	Sequence 7744, Ap
40	209	18.7	182	15	US-10-369-493-21725	Sequence 21725, A
41	208.5	18.7	176	15	US-10-369-493-586	Sequence 586, App
42	206.5	18.5	198	16	US-10-437-863-149501	Sequence 149501, A
43	205	18.4	176	15	US-10-369-493-14373	Sequence 14373, A
44	205	18.4	176	15	US-10-369-493-14539	Sequence 14539, A
45	205	18.4	176	15	US-10-369-493-15078	Sequence 15078, A

ALIGNMENTS

RESULT 1
US-09-189-833B-2
; Sequence 2, Application US/09189833B
; Patent No. US20020065393A1
; GENERAL INFORMATION:
; APPLICANT: Bednarik et al.
; TITLE OF INVENTION: Human Hypoxanthine-(Guanine) Phosphoribosyl Transferase-2
; FILE REFERENCE: PFI38PDI1
; CURRENT APPLICATION NUMBER: US/09/189,833B
; PRIOR FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: US 08/461,031
; PRIOR FILING DATE: 1995-06-05
; PRIOR APPLICATION NUMBER: PCT/US94/11914
; PRIOR FILING DATE: 1994-10-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 212
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-189-833B-2

Query Match	100.0%;	Score	1116;	DB	9;	Length	212;
Best Local Similarity	100.0%;	Pred. No.	1.8e-115;	Mismatches	0;	Indels	0;
Matches	212;	Conservative	0;			Gaps	0;
Qy	1	MATRSPGVVIMDDWPGYDLNLFYTPQHYGYDLEYVLI	PHGIIIVDRIERLAKDIMKDIGYS	60			
Db	1	MATRSPGVVIMDDWPGYDLNLFYTPQHYGYDLEYVLI	PHGIIIVDRIERLAKDIMKDIGYS	60			
Qy	61	DIMVLVLKGGYKFCADLVEHLKNI	SRNSDRFVSMKVDIFIRLKS	YNDQSGEMQITGGG	120		
Db	61	DIMVLVLKGGYKFCADLVEHLKNI	SRNSDRFVSMKVDIFIRLKS	YNDQSGEMQITGGG	120		
Qy	121	DUSTLAGKFLNIVDVGTGRMKALL	SNIEKYKPNMKVASLLVKT	RSRSDGFRPDYAG	180		
Db	121	DUSTLAGKFLNIVDVGTGRMKALL	SNIEKYKPNMKVASLLVKT	RSRSDGFRPDYAG	180		

; SEQ ID NO 7
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-902-705-7

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Best Local Similarity 68.4%; Pred. No. 5.4e-78;
Matches 145; Conservative 31; Mismatches 36; Indels 0; Gaps 0;
QY 1 MATRSPGVIMDDWPGYDLNLFYPOHYGDLVLPHPGIIIVDRTERLAKIMKDIGYS 60
Db 1 MATRSPGVVISDDPGYDLNLFYPOHYGDLVLPHPGIIIVDRTERLAKIMKDIGYS 60
QY 61 DIMVLCKGKGYKFCADLVEHLKNIISNSDRFVSMKVDYFIRLKSYNDSMGEMQIIGG 120
Db 61 HIVALCVLKGKGYKFCADLVEHLKNIISNSDRFVSMKVDYFIRLKSYNDSMGEMQIIGG 120
QY 121 DLSTLAGKNFLIVDDVGTGRTMKALLSNIKPKNMKVASLLVKTSSDGFPRPDYAG 180
Db 121 DLSTLAGKNFLIVDDVGTGRTMKALLSNIKPKNMKVASLLVKTSSDGFPRPDYAG 180
QY 181 FEIPDLFVVGVALDYNEFRDLNHCIVINEHG 212
Db 181 FEIPDLFVVGVALDYNEFRDLNHCIVINEHG 212

RESULT 9

US-10-408-765A-433
; Sequence 433, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 433
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-433

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Best Local Similarity 68.4%; Pred. No. 5.4e-78;
Matches 145; Conservative 31; Mismatches 36; Indels 0; Gaps 0;
QY 1 MATRSPGVIMDDWPGYDLNLFYPOHYGDLVLPHPGIIIVDRTERLAKIMKDIGYS 60
Db 1 MATRSPGVVISDDPGYDLNLFYPOHYGDLVLPHPGIIIVDRTERLAKIMKDIGYS 60
QY 61 DIMVLCKGKGYKFCADLVEHLKNIISNSDRFVSMKVDYFIRLKSYNDSMGEMQIIGG 120
Db 61 HIVALCVLKGKGYKFCADLVEHLKNIISNSDRFVSMKVDYFIRLKSYNDSMGEMQIIGG 120
QY 121 DLSTLAGKNFLIVDDVGTGRTMKALLSNIKPKNMKVASLLVKTSSDGFPRPDYAG 180
Db 121 DLSTLAGKNFLIVDDVGTGRTMKALLSNIKPKNMKVASLLVKTSSDGFPRPDYAG 180
QY 181 FEIPDLFVVGVALDYNEFRDLNHCIVINEHG 212
Db 181 FEIPDLFVVGVALDYNEFRDLNHCIVINEHG 212

RESULT 10

US-09-925-664-14
; Sequence 14, Application US/09925664
; Patent No. US20020160006A1
; GENERAL INFORMATION:
; APPLICANT: Denney, Jr., Dan W.
; TITLE OF INVENTION: Methods of Treating Lymphoma and Leukemia
; FILE REFERENCE: GENITOP-06499
; CURRENT APPLICATION NUMBER: US/09/925,664
; CURRENT FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 09/370,453
; PRIOR FILING DATE: 1999-08-09
; PRIOR APPLICATION NUMBER: 08/644,664
; PRIOR FILING DATE: 1996-05-01
; PRIOR APPLICATION NUMBER: 08/761,277
; PRIOR FILING DATE: 1996-12-06
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 14
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-925-664-14

Query Match 69.2%; Score 772; DB 9; Length 218;
Best Local Similarity 67.9%; Pred. No. 3.2e-77;
Matches 144; Conservative 32; Mismatches 36; Indels 0; Gaps 0;
QY 1 MATRSPGVIMDDWPGYDLNLFYPOHYGDLVLPHPGIIIVDRTERLAKIMKDIGYS 60
Db 1 MPTRSFVVISDDPGYDLNLFYPOHYGDLVLPHPGIIIVDRTERLAKIMKDIGYS 60
QY 61 DIMVLCKGKGYKFCADLVEHLKNIISNSDRFVSMKVDYFIRLKSYNDSMGEMQIIGG 120
Db 61 HIVALCVLKGKGYKFCADLVEHLKNIISNSDRFVSMKVDYFIRLKSYNDSMGEMQIIGG 120
QY 121 DLSTLAGKNFLIVDDVGTGRTMKALLSNIKPKNMKVASLLVKTSSDGFPRPDYAG 180
Db 121 DLSTLAGKNFLIVDDVGTGRTMKALLSNIKPKNMKVASLLVKTSSDGFPRPDYAG 180
QY 181 FEIPDLFVVGVALDYNEFRDLNHCIVINEHG 212
Db 181 FEIPDLFVVGVALDYNEFRDLNHCIVINEHG 212

RESULT 11

US-09-925-192-14
; Sequence 14, Application US/09925192
; Publication No. US20040096452A1
; GENERAL INFORMATION:
; APPLICANT: Denney, Jr., Dan W.
; TITLE OF INVENTION: Vaccines for Treatment of Lymphoma and Leukemia
; FILE REFERENCE: GENITOP-06493
; CURRENT APPLICATION NUMBER: US/09/925,192
; CURRENT FILING DATE: 2001-08-09
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 14
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-925-192-14

Query Match 69.2%; Score 772; DB 12; Length 218;
Best Local Similarity 67.9%; Pred. No. 3.2e-77;
Matches 144; Conservative 32; Mismatches 36; Indels 0; Gaps 0;
QY 1 MATRSPGVIMDDWPGYDLNLFYPOHYGDLVLPHPGIIIVDRTERLAKIMKDIGYS 60
Db 1 MPTRSFVVISDDPGYDLNLFYPOHYGDLVLPHPGIIIVDRTERLAKIMKDIGYS 60
QY 61 DIMVLCKGKGYKFCADLVEHLKNIISNSDRFVSMKVDYFIRLKSYNDSMGEMQIIGG 120
Db 61 HIVALCVLKGKGYKFCADLVEHLKNIISNSDRFVSMKVDYFIRLKSYNDSMGEMQIIGG 120

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Db 61 HIVALCVLKGKGFADLDYIKALNRSDRSIPMTVDFIRLKSVCNDQSTGDIKVIIGD 120
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Db 121 DLSTLTKGNVLIVEDIIDTGKMTQLLSLVKVSPPMKVVASLLVKRTSRSGVGRPFVG 180
QY 181 FEIPLHVVGVYALDYNEFRDLNHCIVINEHG 212
Db 181 FEIPDFVGVYALDYNEFRNLNHCIVISSETG 212

RESULT 12
US-09-189-833B-9
; Sequence 9, Application US/09189833B
; Patent No. US20020065393A1
; GENERAL INFORMATION:
; APPLICANT: Bednarik et al.
; TITLE OF INVENTION: Human Hypoxanthine- (Guanine) Phosphoribosyl Transferase-2
; FILE REFERENCE: PFI38P1D1
; CURRENT APPLICATION NUMBER: US/09/189,833B
; PRIOR FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: US 08/461,031
; PRIOR FILING DATE: 1995-06-05
; PRIOR APPLICATION NUMBER: PCT/US94/11914
; PRIOR FILING DATE: 1994-10-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 9
; LENGTH: 231
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
US-09-189-833B-9

Query Match 40.0%; Score 446.5; DB 9; Length 231;
Best Local Similarity 42.7%; Pred. No. 5.2e-41;
Matches 93; Conservative 41; Mismatches 73; Indels 11; Gaps 3;

QY 5 SPGV-----VIMDDWPGYDLNFTYPOHYVGLDYVLIPIHGIIVDRIERLAKDIMKDI 57
Db 6 NPGAGENAPDPVFXDDGDDYDLSFMIPIAHYKYLTKVLVPGVVKRIEKLAYDIKKVY 65

QY 58 GYSDIMVLVCLKGKGFADLDVEHLKNISRNDRFVSMKV---DFIRLKSYNDSQSGEM 114
Db 66 NNEEFHILCLLKGSRGFTALLKHLRSIHNYSAVEMSKPLFGEHYVRVKSVCNDQSTGTL 125

QY 115 QIIGGGDLSTLAGKNFLIVEDVVGTRTKMALLSNIKEYKNMIKVASLLVKRTSRSDGF 174
Db 126 EIV-SEDLSCLGKGHVLIVEDIIDTGKLVKFCVYLKKEIKTVAIAICLFIKRTPLNNGF 184

QY 175 RPDYAGFEIPLHVVGVYALDYNEFRDLNHCIVINEHG 212
Db 185 KADFGVGSIPDFHVGVYSLDYNEIFRDLDHCLVNDG 222

RESULT 13
US-09-102-143-13
; Sequence 13, Application US/10102143
; Publication No. US20030185851A1
; GENERAL INFORMATION:
; APPLICANT: Meisner, Markus
; TITLE OF INVENTION: TET transactivator system
; FILE REFERENCE: 04630/016001
; CURRENT APPLICATION NUMBER: US/10/102,143
; CURRENT FILING DATE: 2003-01-21
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 13
; LENGTH: 230
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: pTetO7SagI-HXGPRT
US-10-102-143-13

Query Match 30.4%; Score 339; DB 14; Length 230;
Best Local Similarity 34.4%; Pred. No. 4.5e-29;
Matches 67; Conservative 50; Mismatches 76; Indels 2; Gaps 2;

QY 17 YDLNLTYPQHYVGLDYVLIPIHGIIVDRIERLAKDIMKDI GYSDIMVLVCLKGKGFCA 76
Db 28 YNADDFLVPCHCKPYIDKILLPGGLVKDVEKLAYDIHRTYFGEELHICILKSGRGFN 87

QY 77 DLVEHLKNISRNDRFVSMKVD-FIRLKSYNDSQSGEMQIIGGGDLSTLAGKNFLIVED 135
Db 88 LLIDYLATIQNGRESSVPPFFEHYVRLKSYQNDNSTGQLTVL-SDDLISIFRDKHVLIV 146

QY 136 VVGTRTKMALLSNIKEYKNMIKVASLLVKRTSRSDGFRPDYAGFEIPLHVVGVYALDY 195
Db 147 IVDTGTLTFEERLAKGVKSPMRATILVKTDRSNLKGDFVGFSIEDVWVGCCYDF 206

QY 196 NEYFRDLNHCIVINE 210
Db 207 NEMFRDFDHVAVLSD 221

RESULT 15
US-10-369-493-19356
; Sequence 19356, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei

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; ORGANISM: Plasmodium falciparum
US-09-902-705-9

Query Match 40.0%; Score 446.5; DB 9; Length 231;
Best Local Similarity 42.7%; Pred. No. 5.2e-41;
Matches 93; Conservative 41; Mismatches 73; Indels 11; Gaps 3;

QY 5 SPGV-----VIMDDWPGYDLNFTYPOHYVGLDYVLIPIHGIIVDRIERLAKDIMKDI 57
Db 6 NPGAGENAPDPVFXDDGDDYDLSFMIPIAHYKYLTKVLVPGVVKRIEKLAYDIKKVY 65

QY 58 GYSDIMVLVCLKGKGFADLDVEHLKNISRNDRFVSMKV---DFIRLKSYNDSQSGEM 114
Db 66 NNEEFHILCLLKGSRGFTALLKHLRSIHNYSAVEMSKPLFGEHYVRVKSVCNDQSTGTL 125

QY 115 QIIGGGDLSTLAGKNFLIVEDVVGTRTKMALLSNIKEYKNMIKVASLLVKRTSRSDGF 174
Db 126 EIV-SEDLSCLGKGHVLIVEDIIDTGKLVKFCVYLKKEIKTVAIAICLFIKRTPLNNGF 184

QY 175 RPDYAGFEIPLHVVGVYALDYNEFRDLNHCIVINEHG 212
Db 185 KADFGVGSIPDFHVGVYSLDYNEIFRDLDHCLVNDG 222

RESULT 14
US-10-102-143-13
; Sequence 13, Application US/10102143
; Publication No. US20030185851A1
; GENERAL INFORMATION:
; APPLICANT: Meisner, Markus
; TITLE OF INVENTION: TET transactivator system
; FILE REFERENCE: 04630/016001
; CURRENT APPLICATION NUMBER: US/10/102,143
; CURRENT FILING DATE: 2003-01-21
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 13
; LENGTH: 230
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: pTetO7SagI-HXGPRT
US-10-102-143-13

Query Match 30.4%; Score 339; DB 14; Length 230;
Best Local Similarity 34.4%; Pred. No. 4.5e-29;
Matches 67; Conservative 50; Mismatches 76; Indels 2; Gaps 2;

QY 17 YDLNLTYPQHYVGLDYVLIPIHGIIVDRIERLAKDIMKDI GYSDIMVLVCLKGKGFCA 76
Db 28 YNADDFLVPCHCKPYIDKILLPGGLVKDVEKLAYDIHRTYFGEELHICILKSGRGFN 87

QY 77 DLVEHLKNISRNDRFVSMKVD-FIRLKSYNDSQSGEMQIIGGGDLSTLAGKNFLIVED 135
Db 88 LLIDYLATIQNGRESSVPPFFEHYVRLKSYQNDNSTGQLTVL-SDDLISIFRDKHVLIV 146

QY 136 VVGTRTKMALLSNIKEYKNMIKVASLLVKRTSRSDGFRPDYAGFEIPLHVVGVYALDY 195
Db 147 IVDTGTLTFEERLAKGVKSPMRATILVKTDRSNLKGDFVGFSIEDVWVGCCYDF 206

QY 196 NEYFRDLNHCIVINE 210
Db 207 NEMFRDFDHVAVLSD 221

RESULT 15
US-10-369-493-19356
; Sequence 19356, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 28, 2004, 09:17:02 ; Search time 692 Seconds
(without alignments)
9857.076 Million cell updates/sec

Title: US-09-902-705-1

Perfect score: 1386

Sequence: 1 gatttttgcatacttctt.....cccgatcttcacaggagg 1386

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Searched: 3237270 seqs, 2460713050 residues

Total number of hits satisfying chosen parameters: 6474540

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1386	100.0	1386	9 US-09-189-833B-1	Sequence 1, Appli
2	1386	100.0	1386	9 US-09-902-705-1	Sequence 1, Appli
3	657	47.4	1965	16 US-10-264-049-424	Sequence 424, App
4	654.6	47.2	1927	15 US-10-427-631-19	Sequence 19, Appl
5	511.8	44.1	806	9 US-09-822-830A-13	Sequence 13, Appl
6	334.2	24.1	2244	9 US-09-764-870-222	Sequence 222, App
7	334.2	24.1	2244	15 US-10-125-540-222	Sequence 222, App
8	323	23.3	4385	15 US-10-050-704-77	Sequence 77, Appl
9	323	23.3	4385	16 US-10-266-829-48	Sequence 48, Appl
10	323	23.3	4385	17 US-10-798-512-77	Sequence 77, Appl
11	323	23.3	4386	15 US-10-050-704-23	Sequence 23, Appl
12	323	23.3	4386	15 US-10-050-704-78	Sequence 78, Appl
13	323	23.3	4386	16 US-10-266-829-23	Sequence 23, Appl
14	323	23.3	4386	16 US-10-266-829-49	Sequence 49, Appl

Sequence 23, Appl
Sequence 78, Appl
Sequence 182, App
Sequence 494, App
Sequence 182, App
Sequence 273, App
Sequence 165, App
Sequence 350, App
Sequence 1231, App
Sequence 232, App
Sequence 1853, App
Sequence 482, App
Sequence 151, App
Sequence 1995, App
Sequence 1155, App
Sequence 23, Appl
Sequence 68, Appl
Sequence 58, Appl
Sequence 184, App
Sequence 108, App
Sequence 45, Appl
Sequence 45, Appl
Sequence 45, Appl
Sequence 12, Appl
Sequence 870, App
Sequence 2, Appl
Sequence 22, Appl
Sequence 1298, App
Sequence 283, App
Sequence 308, App

ALIGNMENTS

RESULT 1

US-09-189-833B-1

; Sequence 1, Application US/09189833B

; Patent No. US20020065393A1

; GENERAL INFORMATION:

; APPLICANT: Bednarik et al.

; TITLE OF INVENTION: Human Hypoxanthine-(Guanine) Phosphoribosyl Transferase-2

; FILE REFERENCE: PFI38PDI1

; CURRENT APPLICATION NUMBER: US/09/189,833B

; CURRENT FILING DATE: 1998-11-12

; PRIOR APPLICATION NUMBER: US 08/461,031

; PRIOR FILING DATE: 1995-06-05

; PRIOR APPLICATION NUMBER: PCT/US94/11914

; PRIOR FILING DATE: 1994-10-19

; NUMBER OF SEQ ID NOS: 11

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 1

; LENGTH: 1386

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (626)..(1264)

; US-09-189-833B-1

Query Match 100.0%; Score 1386; DB 9; Length 1386;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 1386; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GATTTTGTGATATCTTCTCGGGGGGGGGGAACCTATTGTATTAACGCCAACAC 60

Db 1 GATTTTGTGATATCTTCTCGGGGGGGGGGAACCTATTGTATTAACGCCAACAC 60

QY 61 CGGCCCTTTTGGGTACTCGCCATTTTACTTGGCCATTTTGGTAAATGTTCTTTC 120

Db 61 CGGCCCTTTTGGGTACTCGCCATTTTACTTGGCCATTTTGGTAAATGTTCTTTC 120

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QY 121 CCTGGTTAATCCCCCTGATTCCTTGTGGGATTAACCGGTATTTCCCGCCCTTAGAGTAAT 180
Db 121 CCTCGTTAATCCCCCTGATTCCTTGTGGGATTAACCGGTATTTCCCGCCCTTAGAGTAAT 180
QY 181 TTGAAACCCCTTTTCGCCCGGAAGGGGACCGACCGAGCCAGCGATTCATGAGCGAGGAA 240
Db 181 TTGAAACCCCTTTTCGCCCGGAAGGGGACCGACCGAGCCAGCGATTCATGAGCGAGGAA 240
QY 241 AGCGGGAAGAGCGCCCAATACCAAGCCGCTCTCGCGCGCGGTTGTGCGATTCATTAA 300
Db 241 AGCGGGAAGAGCGCCCAATACCAAGCCGCTCTCGCGCGCGGTTGTGCGATTCATTAA 300
QY 301 TACAGCTGCCACGACAGGTTTCCGACTGGAAAGCGGTGAGTGAGCGCAACAATTAAT 360
Db 301 TACAGCTGCCACGACAGGTTTCCGACTGGAAAGCGGTGAGTGAGCGCAACAATTAAT 360
QY 361 GTGAGTTAGCTCACTANTAGGCAACCCAGGCTTTACATTTATGCTTCGGCTCGTATG 420
Db 361 GTGAGTTAGCTCACTANTAGGCAACCCAGGCTTTACATTTATGCTTCGGCTCGTATG 420
QY 421 TTGTGTGGAATTGTGAGCGGATAACAATTTCAACAGGAAACAGCTATGACCATATTAC 480
Db 421 TTGTGTGGAATTGTGAGCGGATAACAATTTCAACAGGAAACAGCTATGACCATATTAC 480
QY 481 GTCCAAGCTCGAAATTAACCCCTCACTAAAGGGGAACAAAACCTGGAGCTCCACCGCGTGG 540
Db 481 GTCCAAGCTCGAAATTAACCCCTCACTAAAGGGGAACAAAACCTGGAGCTCCACCGCGTGG 540
QY 541 CGCGCGCTCTAGAACTAGTGATCCCGCGGCTCCAGGAATTCGCCACGACCGGAGGAC 600
Db 541 CGCGCGCTCTAGAACTAGTGATCCCGCGGCTCCAGGAATTCGCCACGACCGGAGGAC 600
QY 601 CGAGAGGCGCAGACTACGGGCGAATGGCGACCCCGAGCTTGGCGTCTGATATGGA 660
Db 601 CGAGAGGCGCAGACTACGGGCGAATGGCGACCCCGAGCTTGGCGTCTGATATGGA 660
QY 661 TGATTGCCAGGGTATGACTTGAATTTATTCAGCTACCCAGCACTATTTATGAGAGCTT 720
Db 661 TGATTGCCAGGGTATGACTTGAATTTATTCAGCTACCCAGCACTATTTATGAGAGCTT 720
QY 721 GGAGTATGCTCATCCCTCATGATCATGTGGAAGCAATTTGAGCGCTCGCAAGGA 780
Db 721 GGAGTATGCTCATCCCTCATGATCATGTGGAAGCAATTTGAGCGCTCGCAAGGA 780
QY 781 TATTATGAAGACATAGGATATAGTACATCATGTCCTGTGTGCTTAAAGGGGGTA 840
Db 781 TATTATGAAGACATAGGATATAGTACATCATGTCCTGTGTGCTTAAAGGGGGTA 840
QY 841 CAAATTCGTGCTGATCTGTAGAACACCTTAAGACATCAGCGGAAATTCAGATCGGTT 900
Db 841 CAAATTCGTGCTGATCTGTAGAACACCTTAAGACATCAGCGGAAATTCAGATCGGTT 900
QY 901 TGTCTCAATGAAGGTTGATTTCATCAGACTTAAAGGTTACAGGAATGACCACTCCATGG 960
Db 901 TGTCTCAATGAAGGTTGATTTCATCAGACTTAAAGGTTACAGGAATGACCACTCCATGG 960
QY 961 TGAGATCAGATAATCGAGCGGCTGATCTTTCAACGCTGGCTGGAAGAATTTTCTCAT 1020
Db 961 TGAGATCAGATAATCGAGCGGCTGATCTTTCAACGCTGGCTGGAAGAATTTTCTCAT 1020
QY 1021 TGTGAGAGTGTGTGCGAACTGGGAGGACCAATGAAGCACTACTCAGCAATATAGAGAA 1080
Db 1021 TGTGAGAGTGTGTGCGAACTGGGAGGACCAATGAAGCACTACTCAGCAATATAGAGAA 1080
QY 1081 ATACAGCCCAACATGATTAAGGTAGCCAGTTTGTGTTGGAAGAGAAATCCAGAAAGTGA 1140
Db 1081 ATACAGCCCAACATGATTAAGGTAGCCAGTTTGTGTTGGAAGAGAAATCCAGAAAGTGA 1140
QY 1141 CGGCTTTAGACCTGACTATGCTGATTTGAGATTCACACTTATTTGTTGGGATATGC 1200
Db 1141 CGGCTTTAGACCTGACTATGCTGATTTGAGATTCACACTTATTTGTTGGGATATGC 1200
QY 1201 CTTAGATTACAATGAATACCTTCAGAGATCTGAATACATATGCGTCAATAGACGCG 1260
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Db 1201 CTTAGATTACAATGAATACCTTCAGAGATCTGAATACATATGCGTCAATAGACGCG 1260
QY 1261 GTAAAGAAAAATATCGAGTCTTTAAAGACATGAATTTCTCACCACTAAAGGCCCAAGTAGG 1320
Db 1261 GTAAAGAAAAATATCGAGTCTTTAAAGACATGAATTTCTCACCACTAAAGGCCCAAGTAGG 1320
QY 1321 ATCAATTTTACCGCTCTCTTGGGAGCCAGTTGCAAGTTGGGCCCCCGGATCTTCATC 1380
Db 1321 ATCAATTTTACCGCTCTCTTGGGAGCCAGTTGCAAGTTGGGCCCCCGGATCTTCATC 1380
QY 1381 AGGAGG 1386
Db 1381 AGGAGG 1386

RESULT 2
US-09-902-705-1
; Sequence 1, Application US/09902705
; Patent No. US20020081695A1
; GENERAL INFORMATION:
; APPLICANT: Bednarik et al.
; TITLE OF INVENTION: Human Hypoxanthine- (Guanine) Phosphoribosyl Transferase-2
; FILE REFERENCE: PF138P1C1
; CURRENT APPLICATION NUMBER: US/09/902,705
; CURRENT FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: US 08/461,031
; PRIOR FILING DATE: 1995-06-05
; PRIOR APPLICATION NUMBER: PCT/US94/11914
; PRIOR FILING DATE: 1994-10-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 1386
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (626)..(1264)
; OTHER INFORMATION:
US-09-902-705-1

Query Match 100.0%; Score 1386; DB 9; Length 1386;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1386; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GATTTTTCGTGATATCTTCTTCGGGGGGGGGGAAACCTATTTGATATAAGCCCAACCAAC 60
Db 1 GATTTTTCGTGATATCTTCTTCGGGGGGGGGGAAACCTATTTGATATAAGCCCAACCAAC 60
QY 61 CGGCCCTTTTGGGTACTTGGCCATTTTACTTGGCCCATTTTGGTAAATTTTCCTTTC 120
Db 61 CGGCCCTTTTGGGTACTTGGCCATTTTACTTGGCCCATTTTGGTAAATTTTCCTTTC 120
QY 121 CTTGCTTAAATCCCTGATTCCTTGTGGGATTAACCCGCTATTTCCCGCTTAGAGTGAAT 180
Db 121 CTTGCTTAAATCCCTGATTCCTTGTGGGATTAACCCGCTATTTCCCGCTTAGAGTGAAT 180
QY 181 TTGAAACCCCTTTTCGCCCGGAAGGGGACCGACCGAGCCAGCGATTCATGAGCGAGGAA 240
Db 181 TTGAAACCCCTTTTCGCCCGGAAGGGGACCGACCGAGCCAGCGATTCATGAGCGAGGAA 240
QY 241 AGCGGGAAGAGCGCCCAATACCAAGCCGCTCTCGCGCGCGGTTGTGCGATTCATTAA 300
Db 241 AGCGGGAAGAGCGCCCAATACCAAGCCGCTCTCGCGCGCGGTTGTGCGATTCATTAA 300
QY 301 TACAGCTGCCACGACAGGTTTCCGACTGGAAAGCGGTGAGTGAGCGCAACAATTAAT 360
Db 301 TACAGCTGCCACGACAGGTTTCCGACTGGAAAGCGGTGAGTGAGCGCAACAATTAAT 360
QY 361 GTGAGTTAGCTCACTANTAGGCAACCCAGGCTTTACATTTATGCTTCGGCTCGTATG 420
Db 361 GTGAGTTAGCTCACTANTAGGCAACCCAGGCTTTACATTTATGCTTCGGCTCGTATG 420
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QY 421 TTGTCGGAATTCGAGCGGATAAACAATTCACAGGAAACAGCTATGACCATGATTAC 480
Db 421 TTGTCGGAATTCGAGCGGATAAACAATTCACAGGAAACAGCTATGACCATGATTAC 480
QY 481 GTCCAGCTCGAAATTAACCCCTCACTAAAGGAAACAAAATCTGAGCTCCACCCCGGTGG 540
Db 481 GTCCAGCTCGAAATTAACCCCTCACTAAAGGAAACAAAATCTGAGCTCCACCCCGGTGG 540
QY 541 CGGCCCTTAGAATAGTAGGATCCCGGGTCCAGGAATTCGACAGCCGAGGAGAC 600
Db 541 CGGCCCTTAGAATAGTAGGATCCCGGGTCCAGGAATTCGACAGCCGAGGAGAC 600
QY 601 CGAGGAGCGCCAGACTACGGCGGAATCGCGACCCGACCGCTGCGTCTGATTATGGA 660
Db 601 CGAGGAGCGCCAGACTACGGCGGAATCGCGACCCGACCGCTGCGTCTGATTATGGA 660
QY 661 TGATTGGCAGGGTATGACTTGAATTTATACGTACCCACAGCACTATTTATGAGACTT 720
Db 661 TGATTGGCAGGGTATGACTTGAATTTATACGTACCCACAGCACTATTTATGAGACTT 720
QY 721 GGAGTAGTCCTCATCCCTCATGGTATCATTTGTGACAGAAATTCAGCGGCTGCAAGGA 780
Db 721 GGAGTAGTCCTCATCCCTCATGGTATCATTTGTGACAGAAATTCAGCGGCTGCAAGGA 780
QY 781 TATTATGAAGAATAGGATATAGTACATCATGCTCTGTGTCTTAAAGGGGGTA 840
Db 781 TATTATGAAGAATAGGATATAGTACATCATGCTCTGTGTCTTAAAGGGGGTA 840
QY 841 CAAATTCCTGCTGATCTCGTAGACACCTTAAGAACATCAGCGAATTCAGATCGGTT 900
Db 841 CAAATTCCTGCTGATCTCGTAGACACCTTAAGAACATCAGCGAATTCAGATCGGTT 900
QY 901 TGTCTCAATGAAGGTTGATTTCATCAGACTAAAAAGTTACAGGAATGACCACTCATGGG 960
Db 901 TGTCTCAATGAAGGTTGATTTCATCAGACTAAAAAGTTACAGGAATGACCACTCATGGG 960
QY 961 TGAGATGCGAGTAATCGAGCGGTGATCTTCAACGCTGCGTGAAGAAATTTTCTCAT 1020
Db 961 TGAGATGCGAGTAATCGAGCGGTGATCTTCAACGCTGCGTGAAGAAATTTTCTCAT 1020
QY 1021 TGTGAGGATGTTGTCGAACTGGGAGGACCATGAAGCACTACTCAGCAATATAGAGAA 1080
Db 1021 TGTGAGGATGTTGTCGAACTGGGAGGACCATGAAGCACTACTCAGCAATATAGAGAA 1080
QY 1081 ATACAGCCCAACATGATTAAGGTAGCCAGTTTGTGTAAGAGAAATCCAGAAATGA 1140
Db 1081 ATACAGCCCAACATGATTAAGGTAGCCAGTTTGTGTAAGAGAAATCCAGAAATGA 1140
QY 1141 CGGCTTTAGACCTGACTATGCTGGATTTGAGATTCACACTTTTGTGTTGGTGGATATGC 1200
Db 1141 CGGCTTTAGACCTGACTATGCTGGATTTGAGATTCACACTTTTGTGTTGGTGGATATGC 1200
QY 1201 CTTAGATTACAATGAATCTTCAGAGATCTGAATCACATATGCGTCAATGAGCACGG 1260
Db 1201 CTTAGATTACAATGAATCTTCAGAGATCTGAATCACATATGCGTCAATGAGCACGG 1260
QY 1261 GTAAAGGAAAATTCGAGCTTTAAGACATGAATTTCTCACCACTAAAGGCCCGCATAGG 1320
Db 1261 GTAAAGGAAAATTCGAGCTTTAAGACATGAATTTCTCACCACTAAAGGCCCGCATAGG 1320
QY 1321 ATCATTTTACGCTCTCTTTGGGAGCGAGTTGCAAGTTGGGCCCGCGGATCTTCATC 1380
Db 1321 ATCATTTTACGCTCTCTTTGGGAGCGAGTTGCAAGTTGGGCCCGCGGATCTTCATC 1380
QY 1381 AGGAGG 1386
Db 1381 AGGAGG 1386

RESULT 3
US-10-264-049-424
; Sequence 424, Application US/10264049

; Publication No. US20040005579A1
; GENERAL INFORMATION:
; APPLICANT: Birse et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P133P1
; CURRENT APPLICATION NUMBER: US/10/264,049
; PRIOR FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/18569
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: US 60/209,467
; PRIOR FILING DATE: 2000-06-07
; NUMBER OF SEQ ID NOS: 4360
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 424
; LENGTH: 1965
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-264-049-424

Query Match 47.4%; Score 657; DB 16; Length 1965;
Best Local Similarity 93.5%; Pred. No. 7,1e-198;
Matches 736; Conservative 0; Mismatches 30; Indels 21; Gaps 4;

QY 586 CAGGACCGGAGGACCGAGGAGGCGCAGACTACGGGCGAATGGCGCCCGCAGCCCTGG 645
Db 17 CATGCCCGGAGCAGCGAGGAGGCGCAGACTACGGGCGA-----GG 58
QY 646 CGTCGTGATTATGGATGATTGGCCAGGGTATGACTTGAATTTATTCAGTACCCACAGCA 705
Db 59 CGTCGTGATTATGGATGATTGGCCAGGGTATGACTTGAATTTATTCAGTACCCACAGCA 118
QY 706 CTATTATGAGACTTTGGAGTATGCTCATCCCTCATGTTATCATTTGGAGCAGAAATGA 765
Db 119 CTATTATGAGACTTTGGAGTATGCTCATCCCTCATGTTATCATTTGGAGCAGAAATGA 178
QY 766 GCGGCTGGCCAGGATATTATGAAGACATAGGATATAGTACATCATGTCCTGTGTGT 825
Db 179 GCGGCTGGCCAGGATATTATGAAGACATAGGATATAGTACATCATGTCCTGTGTGT 238
QY 826 GCTTAAAGGGGGTACAAATTCGTGCTGATCTCGTAGAACACCTTAAAGAACATCAGCG 885
Db 239 GCTTAAAGGGGGTACAAATTCGTGCTGATCTCGTAGAACACCTTAAAGAACATCAGCG 298
QY 886 AAATTCAGATCGTTTGTCTCAATGAAGTTGATTCATCAGACTAAAAAGTTACAGGAA 945
Db 299 AAATTCAGATCGATTGTCTCAATGAAGTTGATTCATCAGACTAAAAAGTTACAGGAA 358
QY 946 TGACCACTCCATGGGTGAGATGCAGATAATCGAGGCGGTGATCTTTCAACGCTGGCTGG 1005
Db 359 TGACCACTCCATGGGTGAGATGCAGATAATCGAGGCGATGATCTTTCAACGCTGGCTGG 418
QY 1006 AAAGAAATTTCTCATTTGTGAGGATGTTGTCGGAACCTGGAGGACCATGAAGCACTACT 1055
Db 419 AAAGAAATGTTCTCATTTGTGAGGATGTTGTCGGAACCTGGAGGACCATGAAGCACTACT 478
QY 1066 CAGCAATATAGAGAAATCAAGCCCAACATGATTAAGGTAGCCAGTTTGTGTTGAAGAG 1125
Db 479 CAGCAATATAGAGAAATCAAGCCCAACATGATTAAGGTAGCCAGTTTGTGTTGAAGAG 538
QY 1126 AACATCCAGAAATGACCGCTTTAGACCTGACTGCTGAGATTTGAGATTCACACTTATT 1185
Db 539 AACATCCAGAAATGACCGCTTTAGACCTGACTGCTGAGATTTGAGATTCACACTTATT 598
QY 1186 TGTGTTGGGATATGCTTAGATTACAATGAATCTTCAGAGATCTGATCAGATATCGGT 1245
Db 599 TGTGTTGGGATATGCTTAGATTACAATGAATCTTCAGAGATCTGATCAGATATCGGT 658
QY 1246 CATCAATGAGCAGCGGTAAAGGAAATATCGAGTCTTTAAAGACATGAATTCCTACCCTA 1305
Db 659 CATCAATGAGCAC-GGTAAAGGAAATATCGAGTCTTTAAAGACATGAATTCCTACCCTA 716
QY 1306 AAGGCCCCAGATAGGATCATTTTACGCTGT-CTTGGGAGCCAGTTGCAAGTTGGGCC 1364


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; LOCATION: (2007)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (2121)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-125-540-222

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Query Match	24.1%	Score 334.2	DB 15	Length 2244
Best Local Similarity	82.1%	Pred. No. 5.7e-95		
Matches 485	Conservative 0	Mismatches 85	Indels 21	Gaps 8
QY	26	GGGGGGGAACCTATTGTATAAAGCGCAACCAACCGCCCTTTTTCGGTACTTGGCCA	85	
Db	2238	GGGGCGGGAAGCTTATGAATAACCGCCAGCAACGGCGCTTTTACGGTCTCTGCGCT	2179	
QY	86	TTTACTTGGGCCATTTTGTAAATGTCTCTTCCTCGGTTAATCCCGCTGATTCCTT	145	
Db	2178	TTTGCTGG----CCTTTTGCTACATGTTTC--TTTCCTCGGTTATCCCG-----TGATT	2131	
QY	146	GTGGATAACCGGTATTTCGCCCGCTTAGAGTGAATTTGAAACCCCTTTTCGCCCGGAAGGG	205	
Db	2130	CTGTGGATANGCGTATT-ACCGCTTTGAGTGAGCTTGATACCGT----CGCCGACGC	2076	
QY	206	GACCGACCGAGCCAGCGATTCATGAGCGAGGAAGCGGAGAGCGCCCAATACCCAA	265	
Db	2075	GAA CGA CGG CGC GAG CGA GCT AGT GAG CGA GAG GC--GGAAGAGCGCCCAATACCGAA	2018	
QY	266	CGCGCTCTCGCGCGCGTTGTGCAATCATTAATACAGCTGCCACGACAGGTTTCCCG	325	
Db	2017	ACCGCCTCTCNCC--GCSCGTTGCGCGANTTCATTAATGCACTGCGCACGACAGGTTCCCG	1959	
QY	326	ACTGAAAGCGGTGAGTGAGCGCAACACAATTAATGTGAGTTAGTCTACTCATTAGGCAC	385	
Db	1958	ACTGAAAGCGGCGAGTGAGCGCAACGCAATTAATGTGAGTTAGTCTACTCATTTAGGCAC	1899	
QY	386	CCGAGGCTTTACACTTTATGCTTCCGGCTCGTATGTTGTGTGGAAATGTGAGCGGATAAC	445	
Db	1898	CCCAGGCTTTACACTTTATGCTTCCGGCTCGTATGTTGTGTGGAAATGTGAGCGGATAAC	1839	
QY	446	AATTTCACAGGAACAGCTATGACCATGATTAGCTCCAAAGCTCGAAATTAACCCCTCAC	505	
Db	1838	AATTTCACAGGAACAGCTATGACCATGATTAGCTCCAAAGCTCGAAATTAACCCCTCAC	1780	
QY	506	TAAAGGCAACAAATCTGGAGTCCACCGGCTGGCGCGCTCTAGACTAGTGAATCC	565	
Db	1779	TAAAGGCAACAAAGCTGGAGTCCACCGGCTGGCGCGCTCTAGACTAGTGAATCC	1720	
QY	566	CCCGGCTCCAGGAATTCGCCACGACCGGGAGGACCGGAGGCGGCCAGAC	616	
Db	1719	CCCGGCTCCAGGAATTCGCCACGAGAGGCGGACGACGAGTGGGAAGG	669	

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RESULT 8
US-10-050-704-77
; Sequence 77, Application US/10050704
; Publication No. US20030050442A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 62 Human Secreted Proteins
; FILE REFERENCE: P203921
; CURRENT APPLICATION NUMBER: US/10/050,704
; CURRENT FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: 09/684,524
; PRIOR FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: PCT/US00/08979
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/128,693
; PRIOR FILING DATE: 1999-04-09
; PRIOR APPLICATION NUMBER: 60/130,991
; PRIOR FILING DATE: 1999-04-26
; NUMBER OF SEQ ID NOS: 344

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RESULT 9
US-10-2666-829-48
; Sequence 48, Application US/102666829
; Publication No. US20030220489A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 29 Human secreted proteins
; FILE REFERENCE: PZ041P1
; CURRENT APPLICATION NUMBER: US/10/266,829
; CURRENT FILING DATE: 2002-10-09
; PRIOR APPLICATION NUMBER: 09/756,168
; PRIOR FILING DATE: 2001-01-09
; PRIOR APPLICATION NUMBER: PCT/US00/19735
; PRIOR FILING DATE: 2000-07-20
; PRIOR APPLICATION NUMBER: 60/145,220
; PRIOR FILING DATE: 1999-07-23
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO 48
; LENGTH: 4385
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3476)

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US-10-266-829-48
Query Match 23.3%; Score 323; DB 16; Length 4385;
Best Local Similarity 85.2%; Pred. No. 3.1e-91;
Matches 396; Conservative 0; Mismatches 65; Indels 4; Gaps 3;
QY 194 CGCCGGAAGGAGCGGACCGAGCCCGAGGATTCATGAGCGGAGGAAAGCGGAGAGCG 253
DB 70 CTCGCGCGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCG 127
QY 254 CCATATACCCAGCGCGCTCTCGCGCGCGGCTTGTGCGGATTCATTAATACAGCTGCCACG 313
DB 128 CCATATACCGGAAACCGGCTCTC-CCGCGCGCTTGTGCGGATTCATTAATGAGCTGGCAGC 186
QY 314 ACAGGTTTCCGAGCTGGAAGCGGTCAGTGAGCGGCAACAATTAATGAGTAGTCTCA 373
DB 187 ACAGGTTTCCGAGCTGGAAGCGGCGAGTGAGCGCAACGCAATTAATGAGTAGTCTCA 246
QY 374 CTCATTAGGACCCCGGCTTACACTTTATGCTTCGCGCTCGTATGTTGTGGGAATTG 433
DB 247 CTCATTAGGACCCCGGCTTACACTTTATGCTTCGCGCTCGTATGTTGTGGGAATTG 306
QY 434 TGAGCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTCAGTCCAGCTCGAA 493
DB 307 TGAGCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTCAGTCCAGCTCGAA 365
QY 494 ATTAACCTCTACTAAGGGAACAAACTGAGCTCCACCGCGTGGCGCTCTAGA 553
DB 366 ATTAACCTCTACTAAGGGAACAAAGCTGAGCTCCACCGCGTGGCGCTCTAGA 425
QY 554 ACTAGTGATCCCGGCTCCAGGAATTCGCCACGACCGGAGGACCGGAGGCGGCCA 613
DB 426 ACTAGTGATCCCGGCTCCAGGAATTCGCCACGACCGGAGGACCGGAGGCGGCCA 485
QY 614 GACTAGGCGGAATGGCGACCGCGAGCCCTGCGCTCGTATG 658
DB 486 CCGGACTCCGCTCTGCGCTCGGCTCGGCTCGTATCTTCTCTG 530

RESULT 10
US-10-798-512-77
; Sequence 77, Application US/10798512
; Publication No. US20040152164A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 62 Human Secreted Proteins
; FILE REFERENCE: P2039P1
; CURRENT APPLICATION NUMBER: US/10/798,512
; CURRENT FILING DATE: 2004-03-12
; PRIOR APPLICATION NUMBER: US/09/684,524
; PRIOR FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: PCT/US00/08979
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/128,693
; PRIOR FILING DATE: 1999-04-09
; PRIOR APPLICATION NUMBER: 60/130,991
; PRIOR FILING DATE: 1999-04-26
; NUMBER OF SEQ ID NOS: 344
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 77
; LENGTH: 4385
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3476)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-798-512-77

Query Match 23.3%; Score 323; DB 17; Length 4385;
Best Local Similarity 85.2%; Pred. No. 3.1e-91;
Matches 396; Conservative 0; Mismatches 65; Indels 4; Gaps 3;

QY 194 CGCCGGAAGGAGCGGACCGAGCCCGAGGATTCATGAGCGGAGGAAAGCGGAGAGCG 253
DB 70 CTCGCGCGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCG 127
QY 254 CCATATACCCAGCGCGCTCTCGCGCGCGGCTTGTGCGGATTCATTAATACAGCTGCCACG 313
DB 128 CCATATACCGGAAACCGGCTCTC-CCGCGCGCTTGTGCGGATTCATTAATGAGCTGGCAGC 186
QY 314 ACAGGTTTCCGAGCTGGAAGCGGTCAGTGAGCGGCAACAATTAATGAGTAGTCTCA 373
DB 187 ACAGGTTTCCGAGCTGGAAGCGGCGAGTGAGCGCAACGCAATTAATGAGTAGTCTCA 246
QY 374 CTCATTAGGACCCCGGCTTACACTTTATGCTTCGCGCTCGTATGTTGTGGGAATTG 433
DB 247 CTCATTAGGACCCCGGCTTACACTTTATGCTTCGCGCTCGTATGTTGTGGGAATTG 306
QY 434 TGAGCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTCAGTCCAGCTCGAA 493
DB 307 TGAGCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTCAGTCCAGCTCGAA 365
QY 494 ATTAACCTCTACTAAGGGAACAAACTGAGCTCCACCGCGTGGCGCTCTAGA 553
DB 366 ATTAACCTCTACTAAGGGAACAAAGCTGAGCTCCACCGCGTGGCGCTCTAGA 425
QY 554 ACTAGTGATCCCGGCTCCAGGAATTCGCCACGACCGGAGGACCGGAGGCGGCCA 613
DB 426 ACTAGTGATCCCGGCTCCAGGAATTCGCCACGACCGGAGGACCGGAGGCGGCCA 485
QY 614 GACTAGGCGGAATGGCGACCGCGAGCCCTGCGCTCGTATG 658
DB 486 CCGGACTCCGCTCTGCGCTCGGCTCGGCTCGTATCTTCTCTG 530

RESULT 11
US-10-050-704-23
; Sequence 23, Application US/10050704
; Publication No. US20030050442A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 62 Human Secreted Proteins
; FILE REFERENCE: P2039P1
; CURRENT APPLICATION NUMBER: US/10/050,704
; CURRENT FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: 09/684,524
; PRIOR FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: PCT/US00/08979
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/128,693
; PRIOR FILING DATE: 1999-04-09
; PRIOR APPLICATION NUMBER: 60/130,991
; PRIOR FILING DATE: 1999-04-26
; NUMBER OF SEQ ID NOS: 344
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 23
; LENGTH: 4386
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3477)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-050-704-23

Query Match 23.3%; Score 323; DB 15; Length 4386;
Best Local Similarity 85.2%; Pred. No. 3.1e-91;
Matches 396; Conservative 0; Mismatches 65; Indels 4; Gaps 3;

Db 128 CCCAATACGCAACCGCTCTC-CCGCGCGTTGGCGGATTCATTAAATGACGCTGGCAG 186
Qy 314 ACAGGTTTCCCGACTGGAAGCGTTCAGTGAGCGCAACAATTAATGTAGTTAGCTCA 373
Db 187 ACAGGTTTCCCGACTGGAAGCGGAGTGAGCGCAACAATTAATGTAGTTAGCTCA 246
Qy 374 CTCATTAGGACCCCGAGCTTTACACTTTATGCTTCCGCTCGTATGTTGTGGAATTG 433
Db 247 CTCATTAGGACCCCGAGCTTTACACTTTATGCTTCCGCTCGTATGTTGTGGAATTG 306
Qy 434 TGAGCGGATTAACATTTACACAGGAACAGCTATGACCATGATTACGTCGAAGTCCGAA 493
Db 307 TGAGCGGATTAACATTTACACAGGAACAGCTATGACCATGATTACG-CCAAGCTCGAA 365
Qy 494 ATTAACCCCTCACTAAAGGGAACAAAACTGGAGCTCCACCGCGGTGGCGCGCTCTAGA 553
Db 366 ATTAACCCCTCACTAAAGGGAACAAAACTGGAGCTCCACCGCGGTGGCGCGCTCTAGA 425
Qy 554 ACTAGTGGATCCCGCGGCTCCAGGAATTGCGCACGACCGGAGGACCGAGAGCGCCA 613
Db 426 ACTAGTGGATCCCGCGGCTCCAGGAATTGCGCACGACCGGAGGACCGAGAGCGCCA 485
Qy 614 GACTACGGCGGAATGGCGACCCGCGCTCGGCTCGCTGCTGATTATG 658
Db 486 CCGCGACTCCGGCTCTGCGCTCGGCTCGCTGCTGCTGCTG 530

RESULT 12

US-10-050-704-78
; Sequence 78, Application US/10050704
; Publication No. US20030050442A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 62 Human Secreted Proteins
; FILE REFERENCE: P2039P1
; CURRENT APPLICATION NUMBER: US/10/050,704
; CURRENT FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: 09/684,524
; PRIOR FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: PCT/US00/089979
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/128,693
; PRIOR FILING DATE: 1999-04-09
; PRIOR APPLICATION NUMBER: 60/130,991
; PRIOR FILING DATE: 1999-04-26
; NUMBER OF SEQ ID NOS: 344
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 78
; LENGTH: 4386
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3477)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-050-704-78

Query Match 23.3%; Score 323; DB 15; Length 4386;
Best Local Similarity 85.2%; Pred. No. 3.1e-91;
Matches 396; Conservative 0; Mismatches 65; Indels 4; Gaps 3;

Qy 194 CGCCCGAAGGAGCGGACCGAGCCGAGCTTCATGGAGCGAGAAAGCGGAGAGCG 253
Db 70 CTCGCCGACGCCGAACGACGAGCGGAGTCACTAGCGAGGAA--GCGGAAGAGCG 127
Qy 254 CCCAATACCAAGCGCTCTCGCGCGGTTGTGCGGATTCATTAAATACAGCTGCCACG 313
Db 128 CCCAATACCAAGCGCTCTC-CCGCGCGTTGGCGGATTCATTAAATGACGTTGGCAG 186
Qy 314 ACAGGTTTCCCGACTGGAAGCGGTCAGTGAGCGCAACAATTAATGTAGTTAGCTCA 373
Db 187 ACAGGTTTCCCGACTGGAAGCGGTCAGTGAGCGCAACAATTAATGTAGTTAGCTCA 246

Qy 374 CTCATTAGGACCCCGAGCTTTACACTTTATGCTTCCGCTCGTATGTTGTGGAATTG 433
Db 247 CTCATTAGGACCCCGAGCTTTACACTTTATGCTTCCGCTCGTATGTTGTGGAATTG 306
Qy 434 TGAGCGGATTAACATTTACACAGGAACAGCTATGACCATGATTACGTCGAAGTCCGAA 493
Db 307 TGAGCGGATTAACATTTACACAGGAACAGCTATGACCATGATTACG-CCAAGCTCGAA 365
Qy 494 ATTAACCCCTCACTAAAGGGAACAAAACTGGAGCTCCACCGCGGTGGCGCGCTCTAGA 553
Db 366 ATTAACCCCTCACTAAAGGGAACAAAACTGGAGCTCCACCGCGGTGGCGCGCTCTAGA 425
Qy 554 ACTAGTGGATCCCGCGGCTCCAGGAATTGCGCACGACCGGAGGACCGAGAGCGCCA 613
Db 426 ACTAGTGGATCCCGCGGCTCCAGGAATTGCGCACGACCGGAGGACCGAGAGCGCCA 485
Qy 614 GACTACGGCGGAATGGCGACCCGCGCTCGGCTCGCTGCTGATTATG 658
Db 486 CCGCGACTCCGGCTCTGCGCTCGGCTCGCTGCTGCTGCTG 530

RESULT 13

US-10-266-829-23
; Sequence 23, Application US/10266829
; Publication No. US20030220489A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 29 Human secreted proteins
; FILE REFERENCE: P2041P1
; CURRENT APPLICATION NUMBER: US/10/266,829
; CURRENT FILING DATE: 2002-10-09
; PRIOR APPLICATION NUMBER: 09/756,168
; PRIOR FILING DATE: 2001-01-09
; PRIOR APPLICATION NUMBER: PCT/US00/19735
; PRIOR FILING DATE: 2000-07-20
; PRIOR APPLICATION NUMBER: 60/145,220
; PRIOR FILING DATE: 1999-07-23
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 23
; LENGTH: 4386
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3477)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-266-829-23

Query Match 23.3%; Score 323; DB 16; Length 4386;
Best Local Similarity 85.2%; Pred. No. 3.1e-91;
Matches 396; Conservative 0; Mismatches 65; Indels 4; Gaps 3;

Qy 194 CGCCCGAAGGAGCGGACCGAGCCGAGCTTCATGGAGCGAGAAAGCGGAGAGCG 253
Db 70 CTCGCCGACGCCGAACGACGAGCGGAGTCACTAGCGAGGAA--GCGGAAGAGCG 127
Qy 254 CCCAATACCAAGCGCTCTCGCGCGGCTTGGCGGATTCATTAAATACAGCTGCCACG 313
Db 128 CCCAATACCAAGCGCTCTC-CCGCGCGTTGGCGGATTCATTAAATGACGTTGGCAG 186
Qy 314 ACAGGTTTCCCGACTGGAAGCGGTCAGTGAGCGCAACAATTAATGTAGTTAGCTCA 373
Db 187 ACAGGTTTCCCGACTGGAAGCGGTCAGTGAGCGCAACAATTAATGTAGTTAGCTCA 246
Qy 374 CTCATTAGGACCCCGAGCTTTACACTTTATGCTTCCGCTCGTATGTTGTGGAATTG 433
Db 247 CTCATTAGGACCCCGAGCTTTACACTTTATGCTTCCGCTCGTATGTTGTGGAATTG 306
Qy 434 TGAGCGGATTAACATTTACACAGGAACAGCTATGACCATGATTACGTCGAAGTCCGAA 493
Db 307 TGAGCGGATTAACATTTACACAGGAACAGCTATGACCATGATTACG-CCAAGCTCGAA 365

QY 494 ATTAAACCTCACTAAAGGAAACAAAACCTGGAGCTCCACCGCGTGGCGCGCTCTAGA 553
Db 366 ATTAAACCTCACTAAAGGAAACAAAACCTGGAGCTCCACCGCGTGGCGCGCTCTAGA 425
QY 554 ACTAGTGGATCCCGGGCTCCAGGAATTCGCCAGACGGGAGACCGAGAGCGCCA 613
Db 426 ACTAGTGGATCCCGGGCTCCAGGAATTCGCCAGACGGGAGACCGAGAGCGCCA 485
QY 614 GACTACGGCGAATGGCGACCGCGAGCCCTGCGCTGCTGATTATG 658
Db 486 CGCGACTCCGGCTCTGCGCTCGGCTGCTGACTTCTTCTCTGCTG 530
RESULT 14
US-10-266-829-49
; Sequence 49, Application US/10266829
; Publication No. US20030220489A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 29 Human secreted proteins
; FILE REFERENCE: PZ041P1
; CURRENT APPLICATION NUMBER: US/10/266,829
; CURRENT FILING DATE: 2002-10-09
; PRIOR APPLICATION NUMBER: 09/756,168
; PRIOR FILING DATE: 2001-04-09
; PRIOR APPLICATION NUMBER: PCT/US00/19735
; PRIOR FILING DATE: 2000-07-20
; PRIOR APPLICATION NUMBER: 60/145,220
; PRIOR FILING DATE: 1999-07-23
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 49
; LENGTH: 4386
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3477)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-266-829-49
Query Match 23.3%; Score 323; DB 16; Length 4386;
Best Local Similarity 85.2%; Pred. No. 3.1e-91;
Matches 396; Conservative 0; Mismatches 65; Indels 4; Gaps 3;
QY 194 CGCCGGAAGGGACCGACCGAGCCAGCGATTCATGAGCGAGGAAGCGGAAGCG 253
Db 70 CTCGCGCAGCGCGAAGCGAGCGAGTCACTGAGCGAGGAA--GCGGAAGAGCG 127
QY 254 CCCAATACCAAGCGCGCTCTCGCGCGCGTGTGCGATTTCATTATACAGCTGCCACG 313
Db 128 CCCAATACCAAGCGCGCTCTC-CCGCGCGTGTGCGATTTCATTATGCGAGTGGCAG 186
QY 314 ACAGTTTCCGACTGGAAGCGGTCACTGAGCGCAACACAATTAATGTGAGTTAGCTCA 373
Db 187 ACAGTTTCCGACTGGAAGCGGTCACTGAGCGCAACACAATTAATGTGAGTTAGCTCA 246
QY 374 CTCATTAGGACCCCGAGCTTTACACTTTATGCTTCCGGCTCGTATGTTGTGGAATTG 433
Db 247 CTCATTAGGACCCCGAGCTTTACACTTTATGCTTCCGGCTCGTATGTTGTGGAATTG 306
QY 434 TGAGCGGATAACAATTTCCACAGGAAACAGCTATGACCATGATTAGTCCAAAGCTGAA 493
Db 307 TGAGCGGATAACAATTTCCACAGGAAACAGCTATGACCATGATTAGTCCAAAGCTGAA 365
QY 494 ATTAAACCTCACTAAAGGAAACAAAACCTGGAGCTCCACCGCGTGGCGCGCTCTAGA 553
Db 307 TGAGCGGATAACAATTTCCACAGGAAACAGCTATGACCATGATTAGTCCAAAGCTGAA 365
QY 494 ATTAAACCTCACTAAAGGAAACAAAACCTGGAGCTCCACCGCGTGGCGCGCTCTAGA 553
Db 366 ATTAAACCTCACTAAAGGAAACAAAACCTGGAGCTCCACCGCGTGGCGCGCTCTAGA 425
QY 554 ACTAGTGGATCCCGGGCTCCAGGAATTCGCCAGACGGGAGGACCGAGAGCGCCA 613
Db 426 ACTAGTGGATCCCGGGCTCCAGGAATTCGCCAGACGGGAGGACCGAGAGCGCCA 485

Search completed: August 28, 2004, 14:49:44

QY 614 GACTACGGCGAATGGCGACCGCGAGCCCTGCGCTGCTGATTATG 658
Db 486 CGCGACTCCGGCTCTGCGCTCGGCTGCTGACTTCTTCTCTGCTG 530
RESULT 15
US-10-798-512-23
; Sequence 23, Application US/10798512
; Publication No. US20040152164A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 62 Human Secreted Proteins
; FILE REFERENCE: PZ039P1
; CURRENT APPLICATION NUMBER: US/10/798,512
; CURRENT FILING DATE: 2004-03-12
; PRIOR APPLICATION NUMBER: US/09/684,524
; PRIOR FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: PCT/US00/08979
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/128,693
; PRIOR FILING DATE: 1999-04-09
; PRIOR APPLICATION NUMBER: 60/130,991
; PRIOR FILING DATE: 1999-04-26
; NUMBER OF SEQ ID NOS: 344
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 23
; LENGTH: 4386
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3477)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-798-512-23
Query Match 23.3%; Score 323; DB 17; Length 4386;
Best Local Similarity 85.2%; Pred. No. 3.1e-91;
Matches 396; Conservative 0; Mismatches 65; Indels 4; Gaps 3;
QY 194 CGCCGGAAGGGACCGACCGAGCCAGCGATTCATGAGCGAGGAAGCGGAAGCG 253
Db 70 CTCGCGCAGCGCGAAGCGAGCGAGTCACTGAGCGAGGAA--GCGGAAGAGCG 127
QY 254 CCCAATACCAAGCGCGCTCTCGCGCGCGTGTGCGATTTCATTATACAGCTGCCACG 313
Db 128 CCCAATACCAAGCGCGCTCTC-CCGCGCGTGTGCGATTTCATTATGCGAGTGGCAG 186
QY 314 ACAGTTTCCGACTGGAAGCGGTCACTGAGCGCAACACAATTAATGTGAGTTAGCTCA 373
Db 187 ACAGTTTCCGACTGGAAGCGGTCACTGAGCGCAACACAATTAATGTGAGTTAGCTCA 246
QY 374 CTCATTAGGACCCCGAGCTTTACACTTTATGCTTCCGGCTCGTATGTTGTGGAATTG 433
Db 247 CTCATTAGGACCCCGAGCTTTACACTTTATGCTTCCGGCTCGTATGTTGTGGAATTG 306
QY 434 TGAGCGGATAACAATTTCCACAGGAAACAGCTATGACCATGATTAGTCCAAAGCTGAA 493
Db 307 TGAGCGGATAACAATTTCCACAGGAAACAGCTATGACCATGATTAGTCCAAAGCTGAA 365
QY 494 ATTAAACCTCACTAAAGGAAACAAAACCTGGAGCTCCACCGCGTGGCGCGCTCTAGA 553
Db 366 ATTAAACCTCACTAAAGGAAACAAAACCTGGAGCTCCACCGCGTGGCGCGCTCTAGA 425
QY 554 ACTAGTGGATCCCGGGCTCCAGGAATTCGCCAGACCGGAGGACCGAGAGCGCCA 613
Db 426 ACTAGTGGATCCCGGGCTCCAGGAATTCGCCAGACCGGAGGACCGAGAGCGCCA 485
QY 614 GACTACGGCGAATGGCGACCGCGAGCCCTGCGCTGCTGATTATG 658
Db 486 CGCGACTCCGGCTCTGCGCTCGGCTGCTGACTTCTTCTCTGCTG 530

Result No.	Query Match	Score	Query		DB	ID	Description
			Length				
1	1386	100.0	1386	4	US-09-189-833B-1	Sequence 1, Appli	
2	654.6	47.2	1927	4	US-09-786-240-19	Sequence 19, Appl	
3	316.2	22.8	3300	4	US-09-482-273-68	Sequence 68, Appl	
C	4	314.6	22.7	752	US-08-975-259-108	Sequence 108, App	
	5	314.6	22.7	7287	US-08-650-206A-1	Sequence 1, Appli	
6	314.6	22.7	12479	4	US-09-318-138-13	Sequence 13, Appl	
C	7	313.6	22.6	3988	4	US-09-358-836C-12	Sequence 12, Appl
C	8	313	22.6	3699	3	US-08-648-538-6	Sequence 6, Appli
C	9	313	22.6	3699	3	US-09-503-222-6	Sequence 6, Appli
C	10	313	22.6	6045	3	US-08-675-566-18	Sequence 18, Appl
C	11	313	22.6	6244	3	US-08-675-566-17	Sequence 17, Appl
C	12	313	22.6	6447	3	US-08-675-566-16	Sequence 16, Appl
C	13	313	22.6	6578	3	US-08-675-566-4	Sequence 4, Appli
C	14	313	22.6	6612	3	US-08-675-566-15	Sequence 15, Appl
C	15	313	22.6	6958	3	US-08-675-566-2	Sequence 2, Appli
C	16	313	22.6	6994	3	US-08-675-566-1	Sequence 1, Appli
C	17	313	22.6	7001	3	US-08-675-566-3	Sequence 3, Appli
18	312.4	22.5	1331	4	US-09-023-655-1298	Sequence 1298, Ap	
C	19	311.4	22.5	2561	3	US-08-446-935-6	Sequence 6, Appli
C	20	309	22.3	1289	1	US-08-644-664B-13	Sequence 13, Appl
21	309	22.1	1289	2	US-08-761-277A-13	Sequence 13, Appl	
22	306.2	22.1	2885	1	US-08-471-496-1	Sequence 1, Appli	
23	306.2	22.1	2885	2	US-08-894-840-1	Sequence 1, Appli	
24	306.2	22.1	2885	3	US-09-139-675-1	Sequence 1, Appli	
25	306.2	22.1	2885	4	US-09-502-018-1	Sequence 1, Appli	
26	304.2	21.9	12494	3	US-08-935-312-13	Sequence 13, Appl	
27	304.2	21.9	12494	3	US-08-848-760B-33	Sequence 33, Appl	

Db 301 TACAGCTGCCACGACAGGTTTCCGAGTGGAAAGCGGTGAGTGGCGCAACAATAAT 360
Qy 361 GTGAGTTAGCTCACTAATAGGCACCCAGGCTTTACACTTTATGCTTCCGGCTCGTATG 420
Db 361 GTGAGTTAGCTCACTAATAGGCACCCAGGCTTTACACTTTATGCTTCCGGCTCGTATG 420
Qy 421 TTGTGTCGAATGTGAGCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTAC 480
Db 421 TTGTGTCGAATGTGAGCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTAC 480
Qy 481 GTCCAACTCGAAATTAACCTCCTCACTAAAGGGAACAAAACCTGGAGCTCCACCGGGTGG 540
Db 481 GTCCAACTCGAAATTAACCTCCTCACTAAAGGGAACAAAACCTGGAGCTCCACCGGGTGG 540
Qy 541 CGGCGCTCTAGAACTAGTGGATCCCCCGGGCTCCAGGAATTCGCCACGACCGGAGGAC 600
Db 541 CGGCGCTCTAGAACTAGTGGATCCCCCGGGCTCCAGGAATTCGCCACGACCGGAGGAC 600
Qy 601 CGAGGAGCGCCAGACTACCGGGGAATGGGACCCGACGCTGGGCTGGTATGATGGA 660
Db 601 CGAGGAGCGCCAGACTACCGGGGAATGGGACCCGACGCTGGGCTGGTATGATGGA 660
Qy 661 TGATTGCCAGGGTATGACTTGAATTTATTCAGTACCCACAGCACTATTATGAGACTT 720
Db 661 TGATTGCCAGGGTATGACTTGAATTTATTCAGTACCCACAGCACTATTATGAGACTT 720
Qy 721 GGAGTATGCTCTATCCCTCATGATGATCATGTTGGACAGAAATGAGCGCTGGCCAGGA 780
Db 721 GGAGTATGCTCTATCCCTCATGATGATCATGTTGGACAGAAATGAGCGCTGGCCAGGA 780
Qy 781 TATTATCAAGACATAGATATAGTGACATCATGCTGTGTGCTTAAAGGGGGTGA 840
Db 781 TATTATCAAGACATAGATATAGTGACATCATGCTGTGTGCTTAAAGGGGGTGA 840
Qy 841 CAAATTCGTGCTGATCTCTAGAACACCTTTAAGAACATCAGCCGAAATTCAGATCGTT 900
Db 841 CAAATTCGTGCTGATCTCTAGAACACCTTTAAGAACATCAGCCGAAATTCAGATCGTT 900
Qy 901 TGTCTCAATGAGGTTGATTTTCATCAGCTTAAAGGTTACAGGAATGACCATGCTATGG 960
Db 901 TGTCTCAATGAGGTTGATTTTCATCAGCTTAAAGGTTACAGGAATGACCATGCTATGG 960
Qy 961 TGAGATGAGATTAATCGGAGCGGTGATCTTTCAACGCTGGCTGGAAAGAAATTTCTCAT 1020
Db 961 TGAGATGAGATTAATCGGAGCGGTGATCTTTCAACGCTGGCTGGAAAGAAATTTCTCAT 1020
Qy 1021 TGTGAGGATGTTGTTCGGAACCTGGAGGACCATGAAAGCACTACTCAGCAATATAGAAA 1080
Db 1021 TGTGAGGATGTTGTTCGGAACCTGGAGGACCATGAAAGCACTACTCAGCAATATAGAAA 1080
Qy 1081 ATACAAGCCAAATGATTAAGGTAGCCAGTTTGTGTTGGTGAAGAGAACATCCAGAAGTGA 1140
Db 1081 ATACAAGCCAAATGATTAAGGTAGCCAGTTTGTGTTGGTGAAGAGAACATCCAGAAGTGA 1140
Qy 1141 CGGCTTTAGACCTGACTATGCTGGATTTGAGATTCACACTTTATTTGGTGGGATATGC 1200
Db 1141 CGGCTTTAGACCTGACTATGCTGGATTTGAGATTCACACTTTATTTGGTGGGATATGC 1200
Qy 1201 CTTAGATTACAAATGAACTTTACAGATCTGAATCATATGCGTCAATCAATGAGCAGG 1260
Db 1201 CTTAGATTACAAATGAACTTTACAGATCTGAATCATATGCGTCAATCAATGAGCAGG 1260
Qy 1261 GTAAAGGAAATATCGAGTCTTAAAGACATGAAATTTCTACCACTAAAGGCCCCAGATAGG 1320
Db 1261 GTAAAGGAAATATCGAGTCTTAAAGACATGAAATTTCTACCACTAAAGGCCCCAGATAGG 1320
Qy 1321 ATCAATTTTACGCTGTCTTGGGAGCCAGTTGCAAGTTGGGCCCCCGGATCTTTCATC 1380
Db 1321 ATCAATTTTACGCTGTCTTGGGAGCCAGTTGCAAGTTGGGCCCCCGGATCTTTCATC 1380
Qy 1381 AGGAGG 1386

Db 1381 AGGAGG 1386
RESULT 2
US-09-786-240-19
; Sequence 19, Application US/09786240
; Patent No. 6558935
; GENERAL INFORMATION:
; APPLICANT: INCYTE PHARMACEUTICALS, INC.
; APPLICANT: TANG, Y. Tom
; APPLICANT: CORLEY, Neil C.
; APPLICANT: GUEGLER, Karl J.
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: LAL, Preeti
; APPLICANT: YOE, Henry
; APPLICANT: HILLMAN, Jennifer L.
; APPLICANT: AZIMZAI, Yalda
; TITLE OF INVENTION: HUMAN TRANSFERASE PROTEINS
; FILE REFERENCE: PF-0592 PCT
; CURRENT APPLICATION NUMBER: US/09/786,240
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 09/150,657; unassigned; 09/186,779; unassigned; 60/133,64
; PRIOR FILING DATE: 1998-09-10; 1998-09-10; 1998-11-04; 1998-11-04; 1999-05-11
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PERL Program
; SEQ ID NO 19
; LENGTH: 1927
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6558935 1404963CB1
US-09-786-240-19
Query Match 47.2%; Score 654.6; DB 4; Length 1927;
Best Local Similarity 94.2%; Pred. No. 7.8e-181; Indels 22; Gaps 5;
Matches 741; Conservative 0; Mismatches 24
Qy 586 CACGACCGGAGGAGCCGAGGAGCGCCAGACTACGGGCGAATGGCGACCCGACCCCTGG 645
Db 18 CATGGCCGGAGCAGCGAGGAGCGCCAGACTACGGGCGA-----GG 59
Qy 646 CGTCGTGATATGAGATGATGGCCAGGGTATGACTTGAATTTATTCAGTACCCACAGCA 705
Db 60 CGTCGTGATATGAGATGATGGCCAGGGTATGACTTGAATTTATTCAGTACCCACAGCA 119
Qy 706 CTATTATGAGACTTTGGAGTATGTCCTCATCCTCATGGTATCATTTTGGACAGAAATGA 765
Db 120 CTATTATGAGACTTTGGAGTATGTCCTCATCCTCATGGTATCATTTTGGACAGAAATGA 179
Qy 766 GCGGCTGGCCAAAGGATATTAAGAGACATAGGATATAGTACATCATGTCCTGTGTGT 825
Db 180 GCGGCTGGCCAAAGGATATTAAGAGACATAGGATATAGTACATCATGTCCTGTGTGT 239
Qy 826 GCTTAAAGGGGGTACAAATTCGTGCTGATCTCGTAGAACACCTTAAAGAACATCAGCCG 885
Db 240 GCTTAAAGGGGGTACAAATTCGTGCTGATCTCGTAGAACACCTTAAAGAACATCAGCCG 299
Qy 886 AAATTCAGATCGGTTTGTCTCAATGAAGTTGATTTATCATGACTTAAAGATTCAGGAA 945
Db 300 AAATTCAGATCGATTTGTCTCAATGAAGTTGATTTATCATGACTTAAAGATTCAGGAA 359
Qy 946 TGACCACTCCAGTGGGTGAGATCGATATCGAGGCGGTGATCTTTCACGCTGGCTGG 1005
Db 360 TGACCACTCCAGTGGGTGAGATCGATATCGAGGCGGTGATCTTTCACGCTGGCTGG 419
Qy 1006 AAAGAAATTTCTCATTTGTTAGGATGTTTGTCCGAATCCGGAGGACCATGAAAGCACTACT 1065
Db 420 AAAGAAATTTCTCATTTGTTAGGATGTTTGTCCGAATCCGGAGGACCATGAAAGCACTACT 479
Qy 1066 CAGCAATATAGAGAAATACAGCCCAACATGATTAAGGTAGCCAGTTTGTGGTGAAGAG 1125
Db 480 CAGCAATATAGAGAAATACAGCCCAACATGATTAAGGTAGCCAGTTTGTGGTGAAGAG 539

QY 1126 ACATCCAGAACTGACGGCTTTAGACCTGACTATGCTGGATTGAGATTCCACACTTATT 1185
Db 540 AACATCCAGAACTGACGGCTTTAGACCTGACTATGCTGGATTGAGATTCCAAACTTATT 599
QY 1186 TGTGGTGGGATATGCTTTAGATTCAATGAATACTTACAGATCTGAATCAGATATGCGT 1245
Db 600 TGTGGTGGGATATGCTTTAGATTCAATGAATACTTACAGATCTGAATCAGATATGCGT 659
QY 1246 CATCAATGAGCACGGGTAAAGGAAATATCGAGTCTTAAAGACATGAATTTCCACACTA 1305
Db 660 CATCAATGAGCAC-GGTAAAGGAAATATCGAGTCTTAAAGACATGAATTTCCACACTA 717
QY 1306 AAGGCCCCAGATAGATCATTTTACGCTGT-CTTGGGGAGCCAGTTGCAAGTTGGCC 1364
Db 718 AA-GTCCCCAGATAGATCATATTACGCTGTACTTGGGAAGCCAGCTGTCAAGTTTGTG 776
QY 1365 CCCCCGG 1371
Db 777 CCCCCAG 783

RESULT 3
US-09-482-273-68
; Sequence 68, Application US/09482273
; Patent No. 6534631
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 71 Human Secreted Proteins
; FILE REFERENCE: P2030P1
; CURRENT APPLICATION NUMBER: US/09/482,273
; EARLIER FILING DATE: 2000-01-13
; EARLIER APPLICATION NUMBER: PCT/US99/15849
; EARLIER FILING DATE: 1999-07-14
; EARLIER APPLICATION NUMBER: 60/092,921
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/092,922
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/092,956
; EARLIER FILING DATE: 1998-07-15
; NUMBER OF SEQ ID NOS: 267
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 68
; LENGTH: 3300
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (15)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-482-273-68

Query Match 22.8%; Score 316.2; DB 4; Length 3300;
Best Local Similarity 92.6%; Pred. No. 4.2e-82;
Matches 364; Conservative 0; Mismatches 25; Indels 4; Gaps 3;

QY 198 CGGAAGGGGACCGACCGACCGACCGATTCATGGAGCGAGGAAAGCGGAGCGCCCA 257
Db 2 CNGCAGCCGAGCGNCCGAGCGAGCGAGTCACTAGTACGAGGAA--GCGGAAGAGCGCCCA 59
QY 258 ATACCCAGCCGCTCTCGCCGGCGGTTGTGCGATTCAATTAATACAGCTGCGCAGCAG 317
Db 60 ATACGCAAAACCGCTCTCCCC-GCGCGTTGGCCGATTCAATTAATGCGAGCTGGCAGCAG 118
QY 318 GTTCCCGACTGGAAGCGGTCACTGAGCGCAACACAAATTAATGTGAGTTAGCTCACTCA 377

Db 119 GTTCCCGACTGGAAAGCGGCACTGAGCGCAACGCAATTAATGTGAGTTAGCTCACTCA 178
QY 378 TTAGGCACCCAGGCTTTACACTTTATGCTTCCGGCTCGTATGTTGTGTGGAATTTGTGAG 437
Db 179 TTAGGCACCCAGGCTTTACACTTTATGCTTCCGGCTCGTATGTTGTGTGGAATTTGTGAG 238
QY 438 CGGATACAAATTTACACAGGAAACAGCTATGACCATGATTAACGTCCCAAGCTGAAATTA 497
Db 239 CGGATACAAATTTACACAGGAAACAGCTATGACCATGATTAACG-CCAAGCTGAAATTA 297
QY 498 ACCCTCACTAAAGGGAACAAAACTGGAGCTCCACCGGTTGGCGCGCTCTTAGAACTA 557
Db 298 ACCCTCACTAAAGGGAACAAAACTGGAGCTCCACCGGTTGGCGCGCTCTTAGAACTA 357
QY 558 GTGGATCCCCCGGCTCCAGGAATTCGCCACGA 590
Db 358 GTGGATCCCCCGGCTCGAGGAATTCGCCACGA 390

RESULT 4
US-08-976-259-108/c
; Sequence 108, Application US/08976259
; Patent No. 6316609
; GENERAL INFORMATION:
; APPLICANT: Dillon, Patrick J.
; APPLICANT: Choi, Gil H.
; APPLICANT: Welch, Rodney A.
; TITLE OF INVENTION: Nucleotide Sequence of Escherichia coli
; NUMBER OF SEQUENCES: 142
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Ave, N.W., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/976,259
; FILING DATE: Herewith
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/031,626 AND US 60/061,953
; ATTORNEY/AGENT INFORMATION:
; NAME: Steffe, Eric K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0740002/EKS/CBM
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 108:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 752 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-976-259-108

Query Match 22.7%; Score 314.6; DB 4; Length 752;
Best Local Similarity 92.8%; Pred. No. 6.5e-82;
Matches 363; Conservative 0; Mismatches 24; Indels 4; Gaps 3;

QY 194 CCGCCGGAAGGGGACCGACCGAGCCAGCGGATTCATGGAGCGAGGAAAGCGGAGAGCG 253
Db 432 CTCGCCGAGCGGACCGACCGAGCGGAGTCACTGAGCGAGAA--GCGGAAGAGCG 375
QY 254 CCAATACCGAGCGGCTCTCGCGGCGGCTTGTGGGATTTCATTATACAGCTGCCACG 313

Db 374 CCCAATACGCAAAACCGGCTCTC-CCGCGCGTTGGCGGATTCATTAATGACGCTGGCAGC 316
Qy 314 ACAGTTTCCGAGCTGGAAGCGGTGAGTGGAGGCAACACAAATTAATGTGAGTTAGCTCA 373
Db 315 ACAGTTTCCGAGCTGGAAGCGGTCAGTGGAGGCAACAAATTAATGTGAGTTAGCTCA 256
Qy 374 CTCATTAGGCAACCCAGGCTTTACACTTTATGCTTCCGGCTGCTATGTTGTGGAATTG 433
Db 255 CTCATTAGGCAACCCAGGCTTTACACTTTATGCTTCCGGCTGCTATGTTGTGGAATTG 196
Qy 434 TGAGCGGATTAACAAATTTACACAGGAAACAGCTATGACCATGATTCAGTCCAGCTCGAA 493
Db 195 TGAGCGGATTAACAAATTTACACAGGAAACAGCTATGACCATGATTAACG-CCAAGCTCGAA 137
Qy 494 ATTAACCTCTCACTAAAGGGAACAAAACCTGGAGCTCCACCGGGTGGCGCGCTCTAGA 553
Db 136 ATTAACCTCTCACTAAAGGGAACAAAAGCTGGAGCTCCACCGCGGTGGCGCGCTCTAGA 77
Qy 554 ACTAGTGGATCCCCCGGCTCCAGGAATTCG 584
Db 76 ACTAGTGGATCCCCCGGCTGCAGGAATTCG 46

RESULT 5
US-08-659-206A-1
; Sequence 1, Application US/08659206A
; Patent No. 5922685
; GENERAL INFORMATION:
; APPLICANT: Rakhmilevich, Alexander
; TITLE OF INVENTION: IL-12 Gene Therapy of Tumors
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Quarles & Brady
; STREET: 1 South Pinckney Street
; CITY: Madison
; STATE: WI
; COUNTRY: US
; ZIP: 53703
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/659,206A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Seay, Nicholas J
; REGISTRATION NUMBER: 27386
; REFERENCE/DOCKET NUMBER: 110229.91144
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 608-251-5000
; TELEFAX: 608-251-9166
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7287 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "Plasmid DNA"
; IMMEDIATE SOURCE:
; CLONE: pWRG3169
; FEATURE:
; NAME/KEY: promoter
; LOCATION: 1..628
; FEATURE:
; NAME/KEY: idNA
; LOCATION: 629..810
; FEATURE:
; NAME/KEY: CDS

; LOCATION: join(953..1258, 1332..1673)
; OTHER INFORMATION: /product= "p35 gene product"
; FEATURE:
; NAME/KEY: polyA site
; LOCATION: 1797..2024
; FEATURE:
; NAME/KEY: promoter
; LOCATION: 2110..2737
; FEATURE:
; NAME/KEY: idNA
; LOCATION: 2738..2919
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 2983..3990
; OTHER INFORMATION: /product= "p40 gene product"
; FEATURE:
; NAME/KEY: polyA site
; LOCATION: 4075..4306
; US-08-659-206A-1
Query Match 22.7%; Score 314.6; DB 2; Length 7287;
Best Local Similarity 92.8%; Pred. No. 1.7e-81;
Matches 363; Conservative 0; Mismatches 24; Indels 4; Gaps 3;
Qy 194 CGCCGGAAGGGGACCGACCGAGCCCGAGGATTCATGAGGAGGAGAAAGCGGAGAGCG 253
Db 6881 CTCGCCGAGCGGAGCGAGCGAGCGAGCGAGCGAGCGAGCGAGCGAGCGAGCGAGCG 6938
Qy 254 CCCAATACCAAGCGGCTCTCGCGCGCGGCTTTCAGTGGAGGCAACAAATTAATGTGAGTTAGCTCA 313
Db 6939 CCCAATACCAAGCGGCTCTC-CCCGCGGCTTGGCGGATTCATTAATGTGAGTTAGCTCA 6997
Qy 314 ACAGTTTCCGAGCTGGAAGCGGTGAGTGGAGGCAACACAAATTAATGTGAGTTAGCTCA 373
Db 6998 ACAGTTTCCGAGCTGGAAGCGGCGAGTGGAGGCAACAAATTAATGTGAGTTAGCTCA 7057
Qy 374 CTCATTAGGCAACCCAGGCTTTACACTTTATGCTTCCGGCTGCTATGTTGTGGAATTG 433
Db 7058 CTCATTAGGCAACCCAGGCTTTACACTTTATGCTTCCGGCTGCTATGTTGTGGAATTG 7117
Qy 434 TGAGCGGATTAACAAATTTACACAGGAAACAGCTATGACCATGATTCAGTCCAGCTCGAA 493
Db 7118 TGAGCGGATTAACAAATTTACACAGGAAACAGCTATGACCATGATTAACG-CCAAGCTCGAA 7176
Qy 494 ATTAACCTCTCACTAAAGGGAACAAAACCTGGAGCTCCACCGCGGTGGCGCGCTCTAGA 553
Db 7177 ATTAACCTCTCACTAAAGGGAACAAAAGCTGGAGCTCCACCGCGGTGGCGCGCTCTAGA 7236
Qy 554 ACTAGTGGATCCCCCGGCTCCAGGAATTCG 584
Db 7237 ACTAGTGGATCCCCCGGCTGCAGGAATTCG 7267

RESULT 6
US-09-318-138-13
; Sequence 13, Application US/09318138
; Patent No. 6531123
; GENERAL INFORMATION:
; APPLICANT: CHANG, Lung-Ji
; TITLE OF INVENTION: LENTIVIRAL VECTORS
; NUMBER OF SEQUENCES: 62
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEWMARK, P.L.L.C.
; STREET: 624 Ninth Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/318,138
FILING DATE: 25-May-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/086,635
FILING DATE: 26-MAY-1998
APPLICATION NUMBER: US 08/935,312
FILING DATE: 22-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: COOPER, Iver P.
REGISTRATION NUMBER: 28,005
REFERENCE/DOCKET NUMBER: CHANG-109A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 12479 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-09-318-138-13
Query Match 22.7%; Score 314.6; DB 4; Length 12479;
Best Local Similarity 92.8%; Pred. No. 2.2e-81;
Matches 363; Conservative 0; Mismatches 24; Indels 4; Gaps 3;
QY 194 CCCCCGGAAGGGACCGACCGCCAGCCAGCGATTCATGGAGCGAGGAAGCGGAGAGCG 253
DB 12039 CTCGCGCGAGCGGACGACCGCGAGCGAGTCAAGTGGAGCGGAA--GCGGAAGAGCG 12096
QY 254 CCAATATACCAAGCGGCTCTCGCGCGCGGTTCGCGATTCATTAATACAGCTGCCACG 313
DB 12097 CCAATATACCAAGCGGCTCTC-CCGCGCGGTTCGCGATTCATTAATACAGCTGCCACG 12155
QY 314 ACAGGTTTCCGAGCTGGAAGCGGTTCAGTGGAGCGCAACAAATTAATGTAGTAGTCA 373
DB 12156 ACAGGTTTCCGAGCTGGAAGCGGTTCAGTGGAGCGCAACAAATTAATGTAGTAGTCA 12215
QY 374 CTCATTAGGACCCCGGCTTTACACTTTATGCTTCGCGCTCGTATGTTGTGGAAATTG 433
DB 12216 CTCATTAGGACCCCGGCTTTACACTTTATGCTTCGCGCTCGTATGTTGTGGAAATTG 12275
QY 434 TGAGCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTCAGTCCAAAGCTCGAA 493
DB 12276 TGAGCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTCAGTCCAAAGCTCGAA 12334
QY 494 ATTAACCTCTACTAAGGAAACAAACTGGAGCTCCACCGGCTGGCGCGCTCTAGA 553
DB 12335 ATTAACCTCTACTAAGGAAACAAACTGGAGCTCCACCGGCTGGCGCGCTCTAGA 12394
QY 554 ACTAGTGGATCCCCGGGCTCCAGGAATTCG 584
DB 12395 ACTAGTGGATCCCCGGGCTCCAGGAATTCG 12425
RESULT 7
US-09-358-856C-12/c
Sequence 12, Application US/0935856C
Patent No. 653777
GENERAL INFORMATION:
APPLICANT: GELLERFORS, Par
APPLICANT: FOGH, Jens
TITLE OF INVENTION: NEW THERAPEUTIC METHOD FOR TREATING PATIENTS WITH ACUTE
TITLE OF INVENTION: INTERMITTENT PORPHYRIA (AIP) AND OTHER PORPHYRIC
TITLE OF INVENTION: DISEASES
FILE REFERENCE: GELLERFORS-1A
CURRENT APPLICATION NUMBER: US/09/358,856C
CURRENT FILING DATE: 1999-07-22
NUMBER OF SEQ ID NOS: 40

SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 12
LENGTH: 3988
TYPE: DNA
ORGANISM: Human tissue
US-09-358-856C-12
Query Match 22.6%; Score 313.6; DB 4; Length 3988;
Best Local Similarity 92.8%; Pred. No. 2.6e-81;
Matches 362; Conservative 0; Mismatches 24; Indels 4; Gaps 3;
QY 194 CCCCCGGAAGGGACCGACCGCCAGCCAGCGATTCATGGAGCGGAGGAAGCGGAGAGCG 253
DB 2116 CTCGCGCGAGCGGACGACCGCGAGCGAGTCAAGTGGAGCGGAA--GCGGAAGAGCG 2059
QY 254 CCAATATACCAAGCGGCTCTCGCGCGCGGTTCGCGATTCATTAATACAGCTGCCACG 313
DB 2058 CCAATATACCAAGCGGCTCTC-CCGCGCGGTTCGCGATTCATTAATACAGCTGCCACG 2000
QY 314 ACAGGTTTCCGAGCTGGAAGCGGTTCAGTGGAGCGCAACAAATTAATGTAGTAGTCA 373
DB 1999 ACAGGTTTCCGAGCTGGAAGCGGTTCAGTGGAGCGCAACAAATTAATGTAGTAGTCA 1940
QY 374 CTCATTAGGACCCCGGCTTTACACTTTATGCTTCGCGCTCGTATGTTGTGGAAATTG 433
DB 1939 CTCATTAGGACCCCGGCTTTACACTTTATGCTTCGCGCTCGTATGTTGTGGAAATTG 1880
QY 434 TGAGCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTCAGTCCAAAGCTCGAA 493
DB 1879 TGAGCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTCAGTCCAAAGCTCGAA 1821
QY 494 ATTAACCTCTACTAAGGAAACAAACTGGAGCTCCACCGGCTGGCGCGCTCTAGA 553
DB 1820 ATTAACCTCTACTAAGGAAACAAACTGGAGCTCCACCGGCTGGCGCGCTCTAGA 1761
QY 554 ACTAGTGGATCCCCGGGCTCCAGGAATTC 583
DB 1760 ACTAGTGGATCCCCGGGCTCCAGGAATTC 1731
RESULT 8
US-08-646-538-6/c
Sequence 6, Application US/08646538
Patent No. 6027881
GENERAL INFORMATION:
APPLICANT: Pavlakis, George N.
APPLICANT: Galtanaris, George A.
APPLICANT: Stauber, Roland H.
APPLICANT: Vournakis, John N.
TITLE OF INVENTION: Mutant Aequorea victoria Fluorescent
TITLE OF INVENTION: Proteins Having Increased Cellular Fluorescence
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/646,538
FILING DATE: No. 6027881 yet assigned
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Kenneth A.
REGISTRATION NUMBER: 31,677
REFERENCE/DOCKET NUMBER: 015280-249000
TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 3699 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
FEATURE:
NAME/KEY: -
LOCATION: 1..3699
OTHER INFORMATION: /note= "pBSGFP"
US-08-646-538-6

Query Match 22.6%; Score 313; DB 3; Length 3699;
Best Local Similarity 92.6%; Pred. No. 3.8e-81;
Matches 362; Conservative 0; Mismatches 25; Indels 4; Gaps 3;
QY 194 CGCCCGGAAGGGACCGACCGAGCCGAGGATTCATGGAGCGAGGAAGCGGGAAGAGCG 253
DB 1821 CTCGCCGACGCCGACCGAGCGAGCGAGTCACTGAGCGAGGAA--GCGGAAGAGCG 1764
QY 254 CCCAATACCCAAAGCGCTCTCCGCGCGCGTTGTGCGATTTCATTAATACAGCTCCGACG 313
DB 1763 CCCAATACCCAAAGCGCTCTC-CCGCGCGTTGTGCGATTTCATTAATGCGAGTGGCAGC 1705
QY 314 ACAGTTTCCCGACTGGAAGCGGTCACTGAGCGGACACAACTTGAATTCATTAATGAGTTCAGTCA 373
DB 1704 ACAGTTTCCCGACTGGAAGCGGTCACTGAGCGGACACAACTTGAATTCATTAATGAGTTCAGTCA 1645
QY 374 CTCATTAGGACCCCGAGCTTTACACTTTATGCTTCGGCTCGTATGTTGTGGAATTG 433
DB 1644 CTCATTAGGACCCCGAGCTTTACACTTTATGCTTCGGCTCGTATGTTGTGGAATTG 1585
QY 434 TGAGCGGATACAAATTTACACAGGAAACAAAGCTGGAGCTCCACCGCGGTGGCGGCGCTCTAGA 553
DB 1525 ATTAACCCCTCACTAAGGGAACAAAGCTGGAGCTCCACCGCGGTGGCGGCGCTCTAGA 1466
QY 554 ACTAGTGGATCCCGCGGCTCCAGGAATTCG 584
DB 1465 ACTAGTGGATCCCGCGGCTCCAGGAATTCG 1435

RESULT 9

US-09-503-222-6/c
Sequence 6, Application US/09503222
Patent No. 6265548
GENERAL INFORMATION:
APPLICANT: Pavlakis, George N.
APPLICANT: Gaitanaris, George A.
APPLICANT: Stauber, Roland H.
APPLICANT: Vournakis, John N.
TITLE OF INVENTION: Mutant Aequorea victoria Fluorescent
TITLE OF INVENTION: Proteins Having Increased Cellular Fluorescence
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/503,222
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/646,538
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Kenneth A.
REGISTRATION NUMBER: 31,677
REFERENCE/DOCKET NUMBER: 015280-249000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 3699 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
FEATURE:
NAME/KEY: -
LOCATION: 1..3699
OTHER INFORMATION: /note= "pBSGFP"
US-09-503-222-6

Query Match 22.6%; Score 313; DB 3; Length 3699;
Best Local Similarity 92.6%; Pred. No. 3.8e-81;
Matches 362; Conservative 0; Mismatches 25; Indels 4; Gaps 3;
QY 194 CGCCCGGAAGGGACCGACCGAGCCGAGGATTCATGGAGCGAGGAAGCGGGAAGAGCG 253
DB 1821 CTCGCCGACGCCGACCGAGCGAGCGAGTCACTGAGCGAGGAA--GCGGAAGAGCG 1764
QY 254 CCCAATACCCAAAGCGCTCTCCGCGCGCGTTGTGCGATTTCATTAATGAGTTCAGTCA 313
DB 1763 CCCAATACCCAAAGCGCTCTC-CCGCGCGTTGTGCGATTTCATTAATGAGTTCAGTCA 1705
QY 314 ACAGTTTCCCGACTGGAAGCGGTCACTGAGCGGACACAACTTGAATTCATTAATGAGTTCAGTCA 373
DB 1704 ACAGTTTCCCGACTGGAAGCGGTCACTGAGCGGACACAACTTGAATTCATTAATGAGTTCAGTCA 1645
QY 374 CTCATTAGGACCCCGAGCTTTACACTTTATGCTTCGGCTCGTATGTTGTGGAATTG 433
DB 1644 CTCATTAGGACCCCGAGCTTTACACTTTATGCTTCGGCTCGTATGTTGTGGAATTG 1585
QY 434 TGAGCGGATACAAATTTACACAGGAAACAAAGCTGGAGCTCCACCGCGGTGGCGGCGCTCTAGA 493
DB 1584 ATTAACCCCTCACTAAGGGAACAAAGCTGGAGCTCCACCGCGGTGGCGGCGCTCTAGA 553
QY 554 ACTAGTGGATCCCGCGGCTCCAGGAATTCG 584
DB 1465 ACTAGTGGATCCCGCGGCTCCAGGAATTCG 1435

RESULT 10

US-08-675-566-18/c
Sequence 18, Application US/08675566
Patent No. 6090393
GENERAL INFORMATION:
APPLICANT: Fischer, Laurent
TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
NUMBER OF SEQUENCES: 120
CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtis, Morris & Safford, P.C.
STREET: 530 Fifth Avenue
CITY: New York
STATE: New York

COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/675,566
FILING DATE: 03-JUL-1996
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Frommer Esq., William S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2890
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)840-3333
TELEFAX: (212)840-0712
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 6045 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-675-566-18

Query Match 22.6%; Score 313; DB 3; Length 6045;
Best Local Similarity 92.6%; Pred. No. 4.7e-81;
Matches 362; Conservative 0; Mismatches 25; Indels 4; Gaps 3;
QY 194 CGCCGGAAGGGGACCGACCGCCAGCGATTCATGAGCGAGGAAAGCGGAGAGCG 253
DB 3480 CTCGCGCAGCGCGAAGCGACCGAGCGCGAGTCAGTGAGCGAGGAA--GCGGAAGAGCG 3423
QY 254 CCAATATCCCAAGCGCGCTCTCGCGGCGCGTGTGCGATTCAATTAATACAGTGCACG 313
DB 3422 CCAATATCCCAAGCGCGCTCTC-CCGCGCGTGTGCGCGATTCAATTAATGAGTGCACG 3364
QY 314 ACAGTTTCCCGACTGGAAGCGGTGAGTGCAGCGCAACACAAATTAATGTGAGTGTAGCTCA 373
DB 3363 ACAGTTTCCCGACTGGAAGCGGTGAGTGCAGCGCAACAAATTAATGTGAGTGTAGCTCA 3304
QY 374 CTCATTAGGACCCCGAGGCTTTACACTTTATGCTTCGCGCTCGTATGTTGTGGAATTG 433
DB 3303 CTCATTAGGACCCCGAGGCTTTACACTTTATGCTTCGCGCTCGTATGTTGTGGAATTG 3244
QY 434 TGAGCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTAAGTCCAAAGCTCGAA 493
DB 3243 TGAGCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTAAGTCCAAAGCTCGGA 3185
QY 494 ATTAACCTCTACTAAGGGAACAAAACCTGGAGCTCCACCGGCTGGCGCGCTCTAGA 553
DB 3184 ATTAACCTCTACTAAGGGAACAAAAGCTGGAGCTCCACCGGCTGGCGCGCTCTAGA 3125
QY 554 ACTAGTGGATCCCCGGGCTCCAGGAATTCG 584
DB 3124 ACTAGTGGATCCCCGGGCTCCAGGAATTCG 3094

RESULT 11
US-08-675-566-17/c
; Sequence 17, Application US/08675566
; Patent No. 6090393
; GENERAL INFORMATION:
; APPLICANT: Fischer, Laurent
; TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
; TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
; NUMBER OF SEQUENCES: 120
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Curtis, Morris & Safford, P.C.
; STREET: 530 Fifth Avenue
; CITY: New York

COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/675,566
FILING DATE: 03-JUL-1996
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Frommer Esq., William S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2890
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)840-3333
TELEFAX: (212)840-0712
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 6244 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-675-566-17

Query Match 22.6%; Score 313; DB 3; Length 6244;
Best Local Similarity 92.6%; Pred. No. 4.7e-81;
Matches 362; Conservative 0; Mismatches 25; Indels 4; Gaps 3;
QY 194 CGCCGGAAGGGGACCGACCGCCAGCGATTCATGAGCGAGGAAAGCGGAGAGCG 253
DB 3679 CTCGCGCAGCGCGAAGCGACCGAGCGCGAGTCAGTGAGCGAGGAA--GCGGAGAGCG 3622
QY 254 CCAATATCCCAAGCGCGCTCTCGCGGCGCGTGTGCGATTCAATTAATACAGTGCACG 313
DB 3621 CCAATATCCCAAGCGCGCTCTC-CCGCGCGTGTGCGCGATTCAATTAATGAGTGCACG 3563
QY 314 ACAGTTTCCCGACTGGAAGCGGTGAGTGCAGCGCAACAAATTAATGTGAGTGTAGCTCA 373
DB 3562 ACAGTTTCCCGACTGGAAGCGGTGAGTGCAGCGCAACAAATTAATGTGAGTGTAGCTCA 3503
QY 374 CTCATTAGGACCCCGAGGCTTTACACTTTATGCTTCGCGCTCGTATGTTGTGGAATTG 433
DB 3502 CTCATTAGGACCCCGAGGCTTTACACTTTATGCTTCGCGCTCGTATGTTGTGGAATTG 3443
QY 434 TGAGCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTAAGTCCAAAGCTCGAA 493
DB 3442 TGAGCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTAAGTCCAAAGCTCGGA 3384
QY 494 ATTAACCTCTACTAAGGGAACAAAACCTGGAGCTCCACCGGCTGGCGCGCTCTAGA 553
DB 3383 ATTAACCTCTACTAAGGGAACAAAAGCTGGAGCTCCACCGGCTGGCGCGCTCTAGA 3324
QY 554 ACTAGTGGATCCCCGGGCTCCAGGAATTCG 584
DB 3323 ACTAGTGGATCCCCGGGCTCCAGGAATTCG 3293

RESULT 12
US-08-675-566-16/c
; Sequence 16, Application US/08675566
; Patent No. 6090393
; GENERAL INFORMATION:
; APPLICANT: Fischer, Laurent
; TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
; TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
; NUMBER OF SEQUENCES: 120
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Curtis, Morris & Safford, P.C.
; STREET: 530 Fifth Avenue

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STREET: 530 Fifth Avenue
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STATE: New York
COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/675,566
FILING DATE: 03-JUL-1996
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Frommer Esq., William S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2890
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)840-3333
TELEFAX: (212)840-0712
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 6612 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-675-566-15

Query Match 22.6%; Score 313; DB 3; Length 6612;
Best Local Similarity 92.6%; Pred. No. 4.8e-81;
Matches 362; Conservative 0; Mismatches 25; Indels 4; Gaps 3;
QY 194 CGCCGGAAGGGGACCGACCGCCAGGATTCATGAGCGAGGAAAGCGGAGAGCG 253
Db 4047 CTCGCCGACGCGAAGCGACCGAGCGCAGCGAGTCAGTGAGCGAGGAA--GCGGAAGAGCG 3990
QY 254 CCAATATCCAAAGCGCCTCTCCGCGGCGGTGTGCGATTCAATTAATACAGCTGCCACG 313
Db 3989 CCAATATCCAAAGCGCCTCTC-CCGCGCGGTGTGCGGATTCATTAATGAGCTGGCAGC 3931
QY 314 ACAGGTTTCCGACTGGAAGCGGTCACTGAGCGCAACAAATTAATGTAGTTAGTCA 373
Db 3930 ACAGGTTTCCGACTGGAAGCGGCGGTCACTGAGCGCAACAAATTAATGTAGTTAGTCA 3871
QY 374 CTCATTAGGACCCCGAGGCTTTACACTTTATGCTTCCGCTCGTATGTTGTGGAATTG 433
Db 3870 CTCATTAGGACCCCGAGGCTTTACACTTTATGCTTCCGCTCGTATGTTGTGGAATTG 3811
QY 434 TGAGCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTACGTCGAAGCTCGAA 493
Db 3810 TGAGCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTACG-CCAAGCTCGA 3752
QY 494 ATTAACCTCTACTAAGGAAACAAATCTGAGCTCCACCGGCTGGCGGCGCTCTAGA 553
Db 3751 ATTAACCTCTACTAAGGAAACAAATCTGAGCTCCACCGGCTGGCGGCGCTCTAGA 3692
QY 554 ACTAGTGGATCCCGGGCTCCAGGAATTCG 584
Db 3691 ACTAGTGGATCCCGGGCTCCAGGAATTCG 3661

RESULT 15.

US-08-675-566-2/c
; Sequence 2, Application US/08675566
; Patent No. 6090393
; GENERAL INFORMATION:
; APPLICANT: Fischer, Laurent
; TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
; TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
; NUMBER OF SEQUENCES: 120

CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtis, Morris & Safford, P.C.
STREET: 530 Fifth Avenue
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
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COMPUTER: IBM PC compatible
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SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/675,566
FILING DATE: 03-JUL-1996
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Frommer Esq., William S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2890
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)840-3333
TELEFAX: (212)840-0712
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 6958 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-675-566-2

Query Match 22.6%; Score 313; DB 3; Length 6958;
Best Local Similarity 92.6%; Pred. No. 5e-81;
Matches 362; Conservative 0; Mismatches 25; Indels 4; Gaps 3;
QY 194 CGCCGGAAGGGGACCGACCGCCAGGATTCATGAGCGAGGAAAGCGGAGAGCG 253
Db 4406 CTCGCCGACGCGAAGCGACCGAGCGCAGCGAGTCAGTGAGCGAGGAA--GCGGAAGAGCG 4349
QY 254 CCAATATCCAAAGCGCCTCTCCGCGGCGGTGTGCGATTCAATTAATACAGCTGCCACG 313
Db 4348 CCAATATCCAAAGCGCCTCTC-CCGCGCGGTGTGCGGATTCATTAATGAGCTGGCAGC 4290
QY 314 ACAGGTTTCCGACTGGAAGCGGTCACTGAGCGCAACAAATTAATGTAGTTAGTCA 373
Db 4289 ACAGGTTTCCGACTGGAAGCGGCGGTCACTGAGCGCAACAAATTAATGTAGTTAGTCA 4230
QY 374 CTCATTAGGACCCCGAGGCTTTACACTTTATGCTTCCGCTCGTATGTTGTGGAATTG 433
Db 4229 CTCATTAGGACCCCGAGGCTTTACACTTTATGCTTCCGCTCGTATGTTGTGGAATTG 4170
QY 434 TGAGCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTACGTCGAAGCTCGAA 493
Db 4169 TGAGCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTACG-CCAAGCTCGA 4111
QY 494 ATTAACCTCTACTAAGGAAACAAATCTGAGCTCCACCGGCTGGCGGCGCTCTAGA 553
Db 4110 ATTAACCTCTACTAAGGAAACAAATCTGAGCTCCACCGGCTGGCGGCGCTCTAGA 4051
QY 554 ACTAGTGGATCCCGGGCTCCAGGAATTCG 584
Db 4050 ACTAGTGGATCCCGGGCTCCAGGAATTCG 4020

Search completed: August 28, 2004, 09:54:24
Job time : 128 secs

